

AVONDALE DWG NO C3-222		29-01-02		REV E	
CAGE 94421		COMSC DWG NO 085-6975303			
GENERAL NOTES					
2373		BOB HOPE			
AVONDALE NO		VESSEL		AVONDALE NO VESSEL	
A Avondale Shipyards Division P O BOX 50280 NEW ORLEANS LA 70150-0280 CAGE 1CC97		AVONDALE JOB NO C3-222			
		COMMANDER MILITARY SEALIFT COMMAND WASHINGTON, D.C. 20398-5100			
		T-AKR 300 STRATEGIC SEALIFT SHIP TANK CAPACITY CURVES (T-AKR 300 ONLY)			
CONTRACT NUMBER N00024-93-C-2205		SIZE B AVONDALE DWG NO C3-222 29-01-02 REV E CAGE 94421 COMSC 085-6975303 SCALE SH NO 1 OF 76			
DRAWN DATE W.S. 1/20/95					
CHECKED D.F.N. 1/20/95					
APVD D.L.P. 1/23/95					
APVD A.S.M. 1/23/95					
1. SOUNDING TUBE DESCRIPTIONS PENDING INSTALLATION.					
NO DESCRIPTION					
RESERVATIONS					

[illegible]

INDEX															
SH NO	TITLE				SH NO	TITLE				SH NO	TITLE				
31	NO 4B WING BALLAST TANK S 8-78-3				66	CSA WASTE OIL TANK 8-87-2									
32	NO 6A WING BALLAST TANK P/S 8-99-4/3				67	CSA OILY WASTE HOLDING TANK 8-87-4									
33	NO 6B WING BALLAST TANK P/S 8-103-4/3				68	ENGINE ROOM WASTE OIL TANK 8-94-2									
34	NO 6D SW BALLAST TANK P/S 8-109-2/1				69	ENGINE ROOM OILY WASTE HOLDING TANK 8-93-2									
35	AFT PEAK BALLAST TANK P/S 8-113-2/1				70	OILY WASTE DRAIN COLLECTING TANK 7.5-86-2									
36	LIST CONTROL TANK P/S 6-64-2/1				71	USED OIL TANK 8-93-3									
37	POTABLE WATER TANK NO 1 5-95-7				72	FUEL OIL OVERFLOW TANK 8-93-1									
38	POTABLE WATER TANK NO 2 5-95-9				73	STERN TUBE LO DRAIN TANK P/S 7.5-97-2/1									
39	RESV FEED WATER TANK 5-91-1				74	VCHT TANK 2.5-91-2									
40	DIST WATER TANK 4.5-91-1				75	WASTE WATER TANK 2.5-94-2									
41	FUEL OIL TANK NO 1B P/S 8-29-2/1				76	FIXED BALLAST TANK 8-57-0									
42	FUEL OIL TANK NO 2A P/S 8-33-2/1														
43	FUEL OIL TANK NO 2B P/S 8-38-2/1														
44	FUEL OIL TANK NO 2C P/S 8-44-2/1														
45	FUEL OIL TANK NO 3A P/S 8-50-2/1														
46	FUEL OIL TANK NO 3C P/S 8-64-2/1														
47	FUEL OIL TANK NO 4A P/S 8-71-2/1														
48	FUEL OIL TANK NO 4B P/S 8-78-2/1														
49	FUEL OIL TANK NO 6A P/S 8-99-2/1														
50	FUEL OIL TANK NO 6B P/S 8-103-2/1														
51	FUEL OIL TANK NO 6C P/S 8-106-2/1														
52	SSDG FUEL OIL SERVICE TANK 6.5-99-1														
53	FUEL OIL SETTLING TANK 8-99-0														
54	FUEL OIL SERVICE TANK P 6.5-85-2														
55	FUEL OIL SERVICE TANK S 6.5-85-1														
56	EM GEN FO SERVICE TANK 02.5-103-1														
57	ME/SSDG LO STORAGE TANK P 6.5-91-2														
58	ME/SSDG LO STORAGE TANK S 6.5-90-1														
59	ME/SSDG LO SETTLING TANK P 6.5-93-2														
60	CPP LO STORAGE TANK 5-93-2														
61	CPP LO SETTLING TANK 5-95-3								REVISIONS		SIZE B	AVONDALE DWG NO			REV C
62	RG LO STORAGE TANK 5-92-2											C3-222 29-01-02			
63	RG LO SETTLING TANK 5-95-5											CAGE			
64	ME LO SUMP TANK P/S 7.5-86-4/1											94421			
65	ME LO SUMP TANK P/S 7.5-86-6/3											DWG NO			
												COMSC 085-6975303			
												SH NO 3			

GENERAL NOTES

1. THE TANK CAPACITY DATA PRESENTED IN THIS BOOKLET ARE BASED ON A ZERO TRIM AND LIST CONDITION OF THE VESSEL.
 2. THE CALCULATIONS INCLUDE A 2% DEDUCTION VALUE FOR ITEMS SUCH AS STRUCTURE, PIPING AND OUTFITTING LOCATED WITHIN THE BOUNDARIES. THESE DEDUCTIONS WERE APPLIED UNIFORMLY OVER THE DEPTH OF THE TANK.
 3. FOR SIMPLICITY, ANY SYMMETRICAL (PORT & STBD) TANKS ARE DESIGNATED AS "P OR S" ON THE HEADING OF THEIR RESPECTIVE CURVE PLOTS. THE DATA PROVIDED IN SUCH PLOTS ARE FOR EITHER PORT OR STBD TANKS. HOWEVER, VALUES FOR EACH TANK ARE LISTED IN THE TANK SUMMARY TABLES.
 4. THE REFERENCE PLANES USED IN THE CURVES ARE AS FOLLOWS:
 - A) VERTICAL: BOTTOM OF THE KEEL = 0.07' BELOW BASELINE.
 - B) LONGITUDINAL: FWD PERPENDICULAR = 0.00' FROM FRAME 0
 - C) TRANSVERSE: LONGITUDINAL CENTERLINE = PORT IS POSITIVE, STARBOARD IS NEGATIVE.
- NOTE: THE TCG VALUES SHOWN ON THE CURVES FOR SYMMETRICAL (P & S) TANKS ARE SHOWN AS POSITIVE VALUES. IF A SYMMETRICAL PAIR OF TANKS ARE USED INDIVIDUALLY, SIMPLY USE A NEGATIVE TCG VALUE FOR THE STARBOARD TANK.

5. THE FOLLOWING CONVERSION FACTORS MAY BE USEFUL:

<u>DIVIDE</u>	<u>BY</u>	<u>TO OBTAIN</u>
GALLONS	261.835	LONG TONS SALT WATER
GALLONS	269.316	LONG TONS FRESH WATER
GALLONS	316.596	LONG TONS DFM
GALLONS	291.759	LONG TONS LUBE OIL
GALLONS	7.481	CUBIC FEET

GENERAL NOTES (CONT'D)

- ## 5. CONVERSION FACTORS CONTINUED:

<u>MULTIPLY</u>		<u>BY</u>	<u>TO OBTAIN</u>
LONG	TONS	2240	POUNDS
LONG	TONS	1.12	SHORT TONS
LONG	TONS	1.016	METRIC TONS
LONG	TONS SW	35.00	CUBIC FEET
LONG	TONS FW	36.00	CUBIC FEET
LONG	TONS DFM	42.32	CUBIC FEET
LONG	TONS LO	39.00	CUBIC FEET

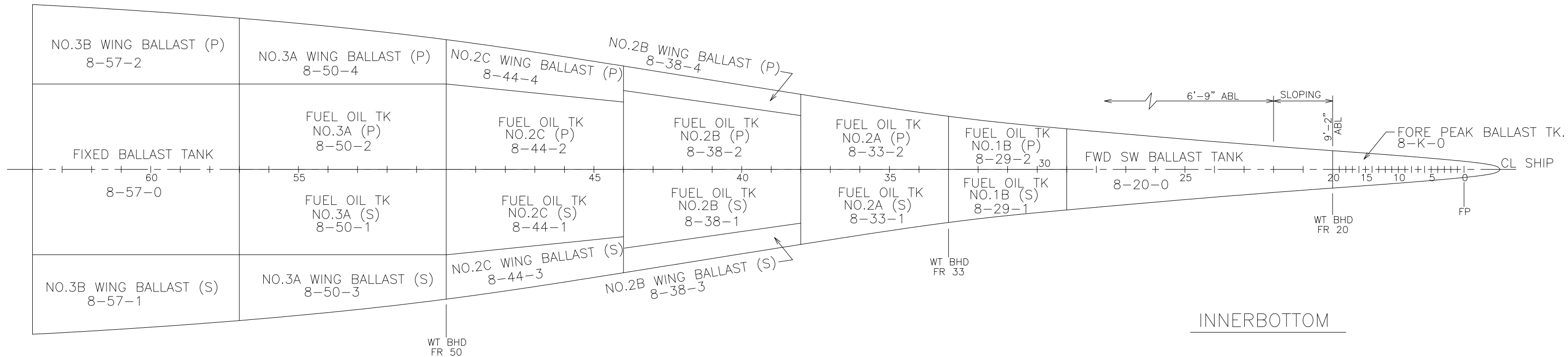
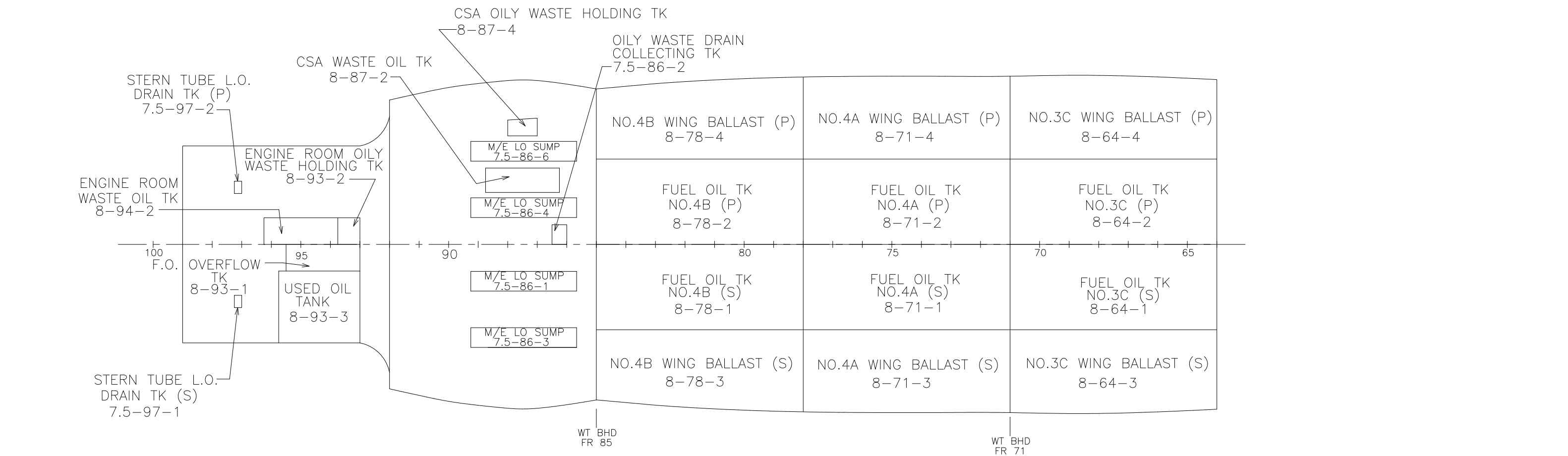
6. ALL CURVES EXCEPT THE VCG CURVE ARE TO BE READ AS FOLLOWS: DETERMINE THE HEIGHT ABOVE KEEL OF THE LIQUID SURFACE, READ ACROSS TO THE DESIRED CURVE, THEN READ UP OR DOWN TO THE APPROPRIATE SCALE.

THE VCG CURVE IS READ BY FIRST DETERMINING THE HEIGHT ABOVE KEEL OF THE LIQUID SURFACE AND THEN READ ACROSS TO THE CAPACITY CURVE. NEXT, READ DOWN TO THE VCG CURVE AND THEN BACK TO THE "HEIGHT ABOVE KEEL" SCALE.

THE CONVERSION OF CURVE READINGS IS DETERMINED BY USING THE CORRESPONDING SCALING VALUES IN THE LOWER RIGHT CORNER OF EACH PLOT.

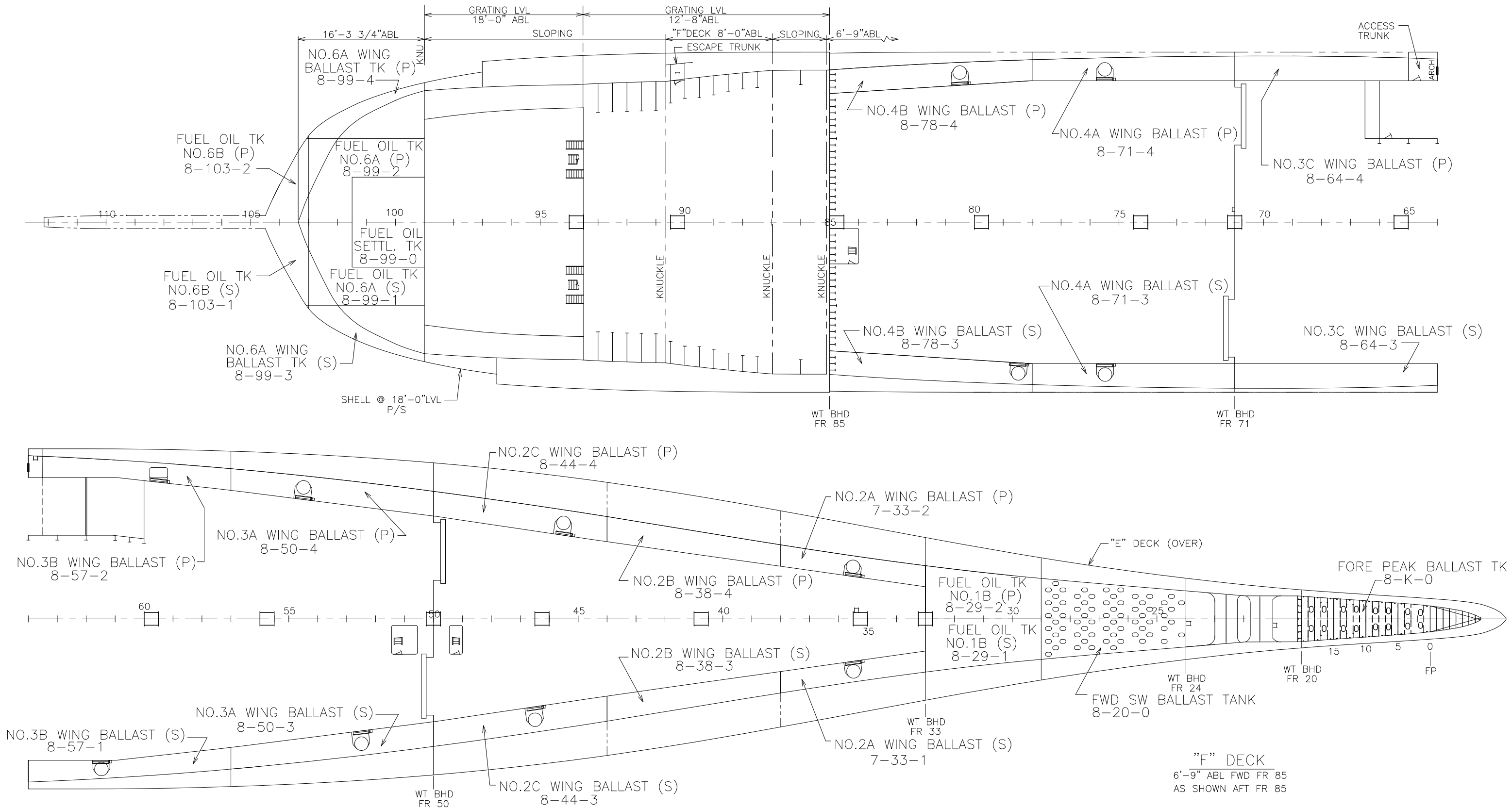
REVISIONS							SIZE B	AVONDALE DWG NO C3-222 29-01-02				REV B
								CAGE 94421	DWG NO COMSC 085-6975303			
									SH NO 4			

REVISIONS							REVISIONS								
REV	SH ZN	DESCRIPTION					REV	SH ZN	DESCRIPTION						
D	23 28 29 51	1. REVISED SOUNDING TUBE DESCRIPTION FOR THE FOLLOWING TANKS TO CORRECT: NO. 3A WING BALLAST TK S 8-50-3 NO. 4A WING BALLAST TK P 8-71-4 NO. 4A WING BALLAST TK S 8-71-3 NO. 6C FUEL OIL TK P/S 8-106-2/1					A		1. ADDED RESERVATION NO. 1. 2. REVISED BOOKLET COMPLETELY TO SUIT DEVELOPMENT.						
												BY: A.R. 6/26/97 APVD: D.F.N. 6/27/97			
	53 65	2. REVISED STRIKING PLATE LOCATION SHOWN TO CORRECT TYPOGRAPHICAL ERROR FOR THE FOLLOWING TANKS: FUEL OIL SETTLING TK. 8-99-0 ME LO SUMP TK P 7.5-86-6					B		1. RELEASED RESV. NO.1 BY ADDING SOUNDING TUBE DESCRIPTIONS.						
												BY: A.R. 8/27/97 APVD: D.F.N. 8/27/97			
	49	3. REVISED SOUNDING TUBE DECK TERMINATION LOCATION FOR FUEL OIL TK NO. 6A PORT 8-99-2 TO CORRECT.					C	33 39 40 56 64 65 70 3,6, 10,11 & 12 67	1. REVISED SOUNDING TUBE DESCRIPTIONS FOR NO. 6B WING BALLAST TANKS P/S 8-103-4/3 TO SUIT DEVELOPMENT.						
									2. REVISED RESERVE FEED WATER TANK 5-91-1 TO CORRECT.						
3. REVISED DISTILLED WATER TANK 4.5-91-1 TO CORRECT.															
4. REVISED THE FOLLOWING TANK DESIGNATIONS:															
FROM TO															
EM GEN FO SERVICE TK. 02-103-1 02.5-103-1															
ME LO. SUMP TK P 7.5-86-2 7.5-86-4															
ME LO. SUMP TK P 7.5-86-4 7.5-86-6															
OILY WASTE DRAIN COLL. TK 8-86-2 7.5-86-2															
REVISED INDEX, KEY PLAN & SUMMARIES TO REFLECT DESIGNATION CHANGES.															
5. REVISED STRIKING PLATE HEIGHT FOR CSA OILY WASTE HOLDING TANK 8-87-4 TO CORRECT.															
								BY: A.R. 12/16/97 APVD: D.F.N. 12/16/97							
							REVISIONS			SIZE B	AVONDALE DWG NO C3-222 29-01-02		REV E		
											CAGE 94421	DWG NO COMSC 085-6975303			
															SH NO 5



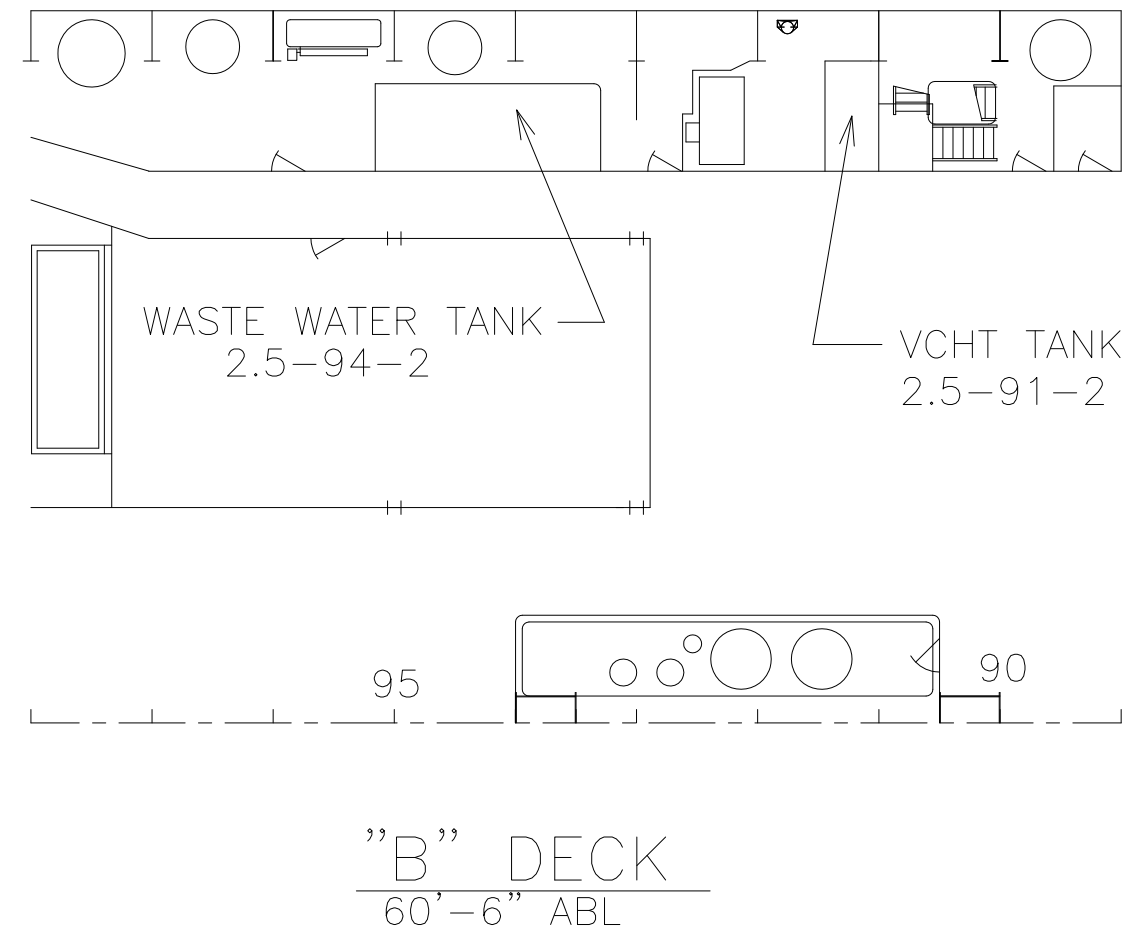
KEY PLAN

REVISIONS							SIZE B	AVONDALE DWG NO C3-222 29-01-02				REV C		
								CAGE 94421		DWG NO COMSC 085-6975303				
												SH NO 6		



KEY PLAN

REVISIONS							SIZE B	AVONDALE DWG NO C3-222 29-01-02				REV B	
								CAGE 94421		DWG NO COMSC 085-6975303			



KEY PLAN

REVISIONS							SIZE B	AVONDALE DWG NO C3-222 29-01-02				REV C
								CAGE 94421		DWG NO COMSC 085-6975303		
									SH NO 10			

BALLAST TANK SUMMARY							
TANK	FRAME	CAPACITY 100% FULL GALLONS	CENTERS @ 100%			MAX FREE SURF (FT-LT)	
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)		
FOREPEAK	8-K-0	STEM-20	326785	36.98	18.54	0.00	9415.0
FWD SW BALLAST TK	8-20-0	20-29	134879	9.55	95.19	-0.02	3338.7
NO 1 WING BALLAST TK P	6-24-2	24-33	52493	24.68	120.74	19.24	718.4
NO 1 WING BALLAST TK S	6-24-1	24-33	54265	24.49	120.19	-19.12	719.5
NO 2A WING BALLAST TK P	7-33-2	33-38	74305	18.85	180.34	24.95	515.4
NO 2A WING BALLAST TK S	7-33-1	33-38	74749	18.75	180.32	-24.88	533.5
NO 2B WING BALLAST TK P	8-38-4	38-44	108367	17.62	228.83	31.90	887.6
NO 2B WING BALLAST TK S	8-38-3	38-44	108367	17.62	228.83	-31.90	887.6
NO 2C WING BALLAST TK P	8-44-4	44-50	103007	15.61	283.22	37.61	802.7
NO 2C WING BALLAST TK S	8-44-3	44-50	102877	15.58	282.90	-37.63	764.8
NO 3A WING BALLAST TK P	8-50-4	50-57	124786	13.78	341.87	41.46	816.0
NO 3A WING BALLAST TK S	8-50-3	50-57	122339	13.57	341.65	-41.41	816.0
NO 3B WING BALLAST TK P	8-57-2	57-64	121702	11.13	403.27	42.28	1786.4
NO 3B WING BALLAST TK S	8-57-1	57-64	127398	11.27	404.93	-42.61	1786.4
NO 3C WING BALLAST TK P	8-64-4	64-71	103286	6.44	469.27	40.92	2414.6
NO 3C WING BALLAST TK S	8-64-3	64-71	108876	6.73	467.80	-41.29	2414.6
NO 4A WING BALLAST TK P	8-71-4	71-78	143013	11.15	530.14	43.28	2350.3
NO 4A WING BALLAST TK S	8-71-3	71-78	144204	11.15	530.12	-43.33	2350.3
NO 4B WING BALLAST TK P	8-78-4	78-85	137277	11.83	593.94	42.85	1839.0
NO 4B WING BALLAST TK S	8-78-3	78-85	138709	11.87	594.35	-42.90	1839.0
NO 6A WING BALLAST TK P	8-99-4	99-103	79092	24.73	767.41	36.11	1330.7
NO 6A WING BALLAST TK S	8-99-3	99-103	79092	24.73	767.41	-36.11	1330.7
NO 6B WING BALLAST TK P	8-103-4	103-106	33054	27.07	799.08	34.53	682.5
NO 6B WING BALLAST TK S	8-103-3	103-106	33054	27.07	799.08	-34.53	682.5
NO 6D SW BALLAST TK P	8-109-2	109-113	36960	30.62	857.13	12.12	1714.8
NO 6D SW BALLAST TK S	8-109-1	109-113	36960	30.62	857.13	-12.12	1714.8
AFT PEAK BALLAST TK P	8-113-2	113-117	92901	39.83	893.02	19.17	6929.8
AFT PEAK BALLAST TK S	8-113-1	113-117	92901	39.83	893.02	-19.17	6929.8
TOTALS			2895698	19.07	404.32	-0.21	58311.4

FRESH WATER TANK SUMMARY							
TANK	FRAME	CAPACITY 100% FULL GALLONS	CENTERS @ 100%			MAX FREE SURF (FT-LT)	
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)		
POTABLE WATER TANK NO 1	5-95-7	94-99	12706	38.90	729.75	-44.26	4.1
POTABLE WATER TANK NO 2	5-95-9	94-99	15827	38.94	729.07	-48.17	8.1
RESV FEED WATER TANK	5-91-1	91-92	2513	36.01	683.50	-47.21	5.5
DIST WATER TANK	4.5-91-1	91-92	2513	41.88	683.50	-47.21	5.5
TOTALS			33559	38.93	722.69	-46.54	23.2

LIST CONTROL TANK SUMMARY						
TANK	FRAME	CAPACITY 100% FULL (GALLONS)	CENTERS @ 100%			MAX FREE SURF (FT-LT)
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
LIST CONTROL TANK P 6-64-2	64-71	42076	23.48	467.50	49.46	48.7
LIST CONTROL TANK S 6-64-1	64-71	42076	23.48	467.50	-49.46	48.7
TOTALS		84152	23.48	467.50	0.00	97.4

FIXED BALLAST TANK SUMMARY						
TANK	FRAME	CAPACITY 100% FULL (GALLONS)	CENTERS @ 100%			MAX FREE SURF (FT-LT)
			VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
FIXED BALLAST TANK 8-57-0	57-64	162126	3.45	404.50	0.0	0.0
TOTALS		162126	3.45	404.50	0.0	0.0

REVISIONS							SIZE B	AVONDALE DWG NO C3-222 29-01-02				REV C	
								CAGE 94421	DWG NO COMSC 085-6975303				
													SH NO 11

FUEL OIL TANK SUMMARY											
TANK				FRAME	CAPACITY 100% FULL GALLONS	CAPACITY 98% FULL GALLONS	CENTERS @ 98%			MAX FREE SURF (FT-LT)	
							VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)		
FUEL OIL TANK NO 1B P	8-29-2	29-33	66501	65173	9.95	139.78	8.43	757.3			
FUEL OIL TANK NO 1B S	8-29-1	29-33	66501	65173	9.95	139.78	-8.43	757.3			
FUEL OIL TANK NO 2A P	8-33-2	33-38	30620	30007	3.96	180.92	7.52	679.7			
FUEL OIL TANK NO 2A S	8-33-1	33-38	30620	30007	3.96	180.92	-7.52	679.7			
FUEL OIL TANK NO 2B P	8-38-2	38-44	48679	47705	3.65	230.86	9.48	915.9			
FUEL OIL TANK NO 2B S	8-38-1	38-44	48679	47705	3.65	230.86	-9.48	915.9			
FUEL OIL TANK NO 2C P	8-44-2	44-50	60550	59337	3.46	284.21	11.45	1349.7			
FUEL OIL TANK NO 2C S	8-44-1	44-50	60550	59337	3.46	284.21	-11.45	1349.7			
FUEL OIL TANK NO 3A P	8-50-2	50-57	80829	79212	3.39	341.56	12.97	2136.6			
FUEL OIL TANK NO 3A S	8-50-1	50-57	80829	79212	3.39	341.56	-12.97	2136.6			
FUEL OIL TANK NO 3C P	8-64-2	64-71	81063	79442	3.38	467.50	13.00	2136.6			
FUEL OIL TANK NO 3C S	8-64-1	64-71	81063	79442	3.38	467.50	-13.00	2136.6			
FUEL OIL TANK NO 4A P	8-71-2	71-78	81063	79442	3.38	530.50	13.00	2136.6			
FUEL OIL TANK NO 4A S	8-71-1	71-78	81063	79442	3.38	530.50	-13.00	2136.6			
FUEL OIL TANK NO 4B P	8-78-2	78-85	80921	79303	3.38	593.45	12.98	2126.2			
FUEL OIL TANK NO 4B S	8-78-1	78-85	80921	79303	3.38	593.45	-12.98	2126.2			
FUEL OIL TANK NO 6A P	8-99-2	99-103	75747	74232	23.02	771.74	16.07	705.8			
FUEL OIL TANK NO 6A S	8-99-1	99-103	75747	74232	23.02	771.74	-16.07	705.8			
FUEL OIL TANK NO 6B P	8-103-2	103-106	65123	63821	25.04	799.72	12.60	915.7			
FUEL OIL TANK NO 6B S	8-103-1	103-106	65123	63821	25.04	799.72	-12.60	915.7			
FUEL OIL TANK NO 6C P	8-106-2	106-109	57393	56245	27.61	825.97	17.25	4225.2			
FUEL OIL TANK NO 6C S	8-106-1	106-109	57393	56245	27.61	825.97	-17.25	4225.2			
SSDG FO SERVICE TANK	6.5-99-1	99-101	12010	11770	28.26	760.00	-7.00	95.3			
FUEL OIL SETTLING TANK	8-99-0	99-102	76446	74917	20.76	762.17	1.03	953.2			
FUEL OIL SERVICE TK P	6.5-85-2	85-90	30837	30221	27.72	647.49	48.45	61.4			
FUEL OIL SERVICE TK S	6.5-85-1	85-90	27764	27209	27.72	645.25	-48.45	55.3			
EM GEN FO SERVICE TK	02.5-103-1	102-103	2566	2515	120.49	785.12	-8.00	5.2			
TOTALS					1606601	1574470	11.40	512.14	0.08	37341.0	

LUBE OIL TANK SUMMARY										
TANK				FRAME	CAPACITY 100% FULL (GALLONS)	CAPACITY 98% FULL (GALLONS)	CENTERS @ 98%			MAX FREE SURF (FT-LT)
							VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)	
ME/SSDG LO STORAGE TK P 6.5-91-2				91-93	15237	14933	27.76	685.72	48.40	33.2
ME/SSDG LO STORAGE TK S 6.5-90-1				90-94	27389	26852	27.77	685.63	-48.39	59.9
ME/SSDG LO SETTLING TK P 6.5-93-2				93-94	5990	5870	27.81	701.49	48.33	13.3
CPP LO STORAGE TANK 5-93-2				93-94	2765	2710	38.83	701.50	51.12	0.9
CPP LO SETTLING TANK 5-95-3				94-95	587	575	35.52	710.50	-16.00	0.5
RG LO STORAGE TANK 5-92-2				92-93	2776	2721	38.83	692.50	51.12	0.9
RG LO SETTLING TANK 5-95-5				94-95	1408	1380	36.99	710.50	-21.00	1.8
ME LO SUMP TK S 7.5-86-1				86-89	5664	5551	8.14	643.36	-11.00	11.9
ME LO SUMP TK P 7.5-86-4				86-89	5664	5551	8.14	643.36	11.00	11.9
ME LO SUMP TK S 7.5-86-3				86-89	5659	5546	8.14	643.36	-28.17	11.9
ME LO SUMP TK P 7.5-86-6				86-89	5659	5546	8.14	643.36	28.17	11.9
TOTALS					78798	77235	23.13	676.13	-0.69	158.1

MISCELLANEOUS TANK SUMMARY								
TANK	FRAME	CAPACITY 100% FULL GALLONS	CAPACITY 98% FULL GALLONS	CENTERS @ 98%			MAX FREE SURF (FT-LT)	
				VCG ABV KL (FEET)	LCG FROM FP (FEET)	TCG FROM CL (FEET)		
CSA WASTE OIL TANK	8-87-2	86-89	9067	8886	4.23	647.31	19.54	18.0
CSA OILY WASTE HOLDING TANK	8-87-4	87-88	2073	2031	5.03	647.36	35.61	2.6
ENGINE ROOM WASTE OIL TANK	8-94-2	94-97	8199	8035	8.77	714.88	4.04	23.2
ENGINE ROOM OILY WASTE HOLDING TK	8-93-2	93-94	2418	2369	7.14	700.33	4.04	7.0
OILY WASTE DRAIN COLLECTING TANK	7.5-86-2	86-87	627	615	5.97	636.26	3.00	1.9
USED OIL TANK	8-93-3	93-96	26453	25917	8.47	709.13	-21.09	1041.8
FO OVERFLOW TANK	8-93-1	93-96	8209	8045	8.03	708.11	-4.04	23.2
STERN TUBE LO DRAIN TANK P	7.5-97-2	97-98	103	101	11.23	734.13	17.58	0.3
STERN TUBE LO DRAIN TANK S	7.5-97-1	97-98	103	101	11.23	734.13	-17.58	0.3
VCHT TANK	2.5-91-2	91-92	2352	2305	67.26	681.01	45.17	5.5
WASTE WATER TANK	2.5-94-2	94-95	11707	11473	70.33	708.05	44.25	10.9
TOTALS			71311	69878	21.82	698.27	6.19	1134.7

REVISIONS							SIZE B	AVONDALE DWG NO C3-222 29-01-02				REV C		
								CAGE 94421		DWG NO COMSC 085-6975303				

TANK: FOREPEAK BALLAST TANK 8-K-0

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

90

FRAMES

STEM-20

TOP OF TANK = 60.57 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

80

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	326785.	36.98	18.54	0.00	MAXIMUM
					9415.0

NOTE (1) SYMMETRICAL TANK
TCG = 0 AT ALL LEVELS

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS VALUE IS NOT PLOTTED

70

SOUNDING TUBE TERMINATES @ 70' FLAT
7'-0" PORT = 7" FWD OF FR.15

60

TCG

50

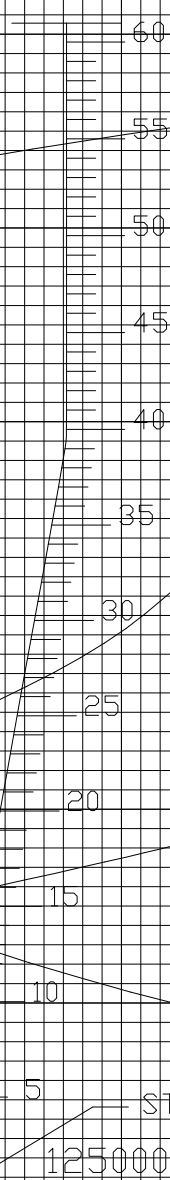
40

30

20

10

LCG



F. SURF

CAPACITY

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 1000. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 10.FT.)

ALL DWG. NOL 29-01-02
QIMSC 085-6975303
CAGE 94421 SIZE B REV. B

25000

50000

75000

100000

125000

150000

175000

200000

225000

250000

275000

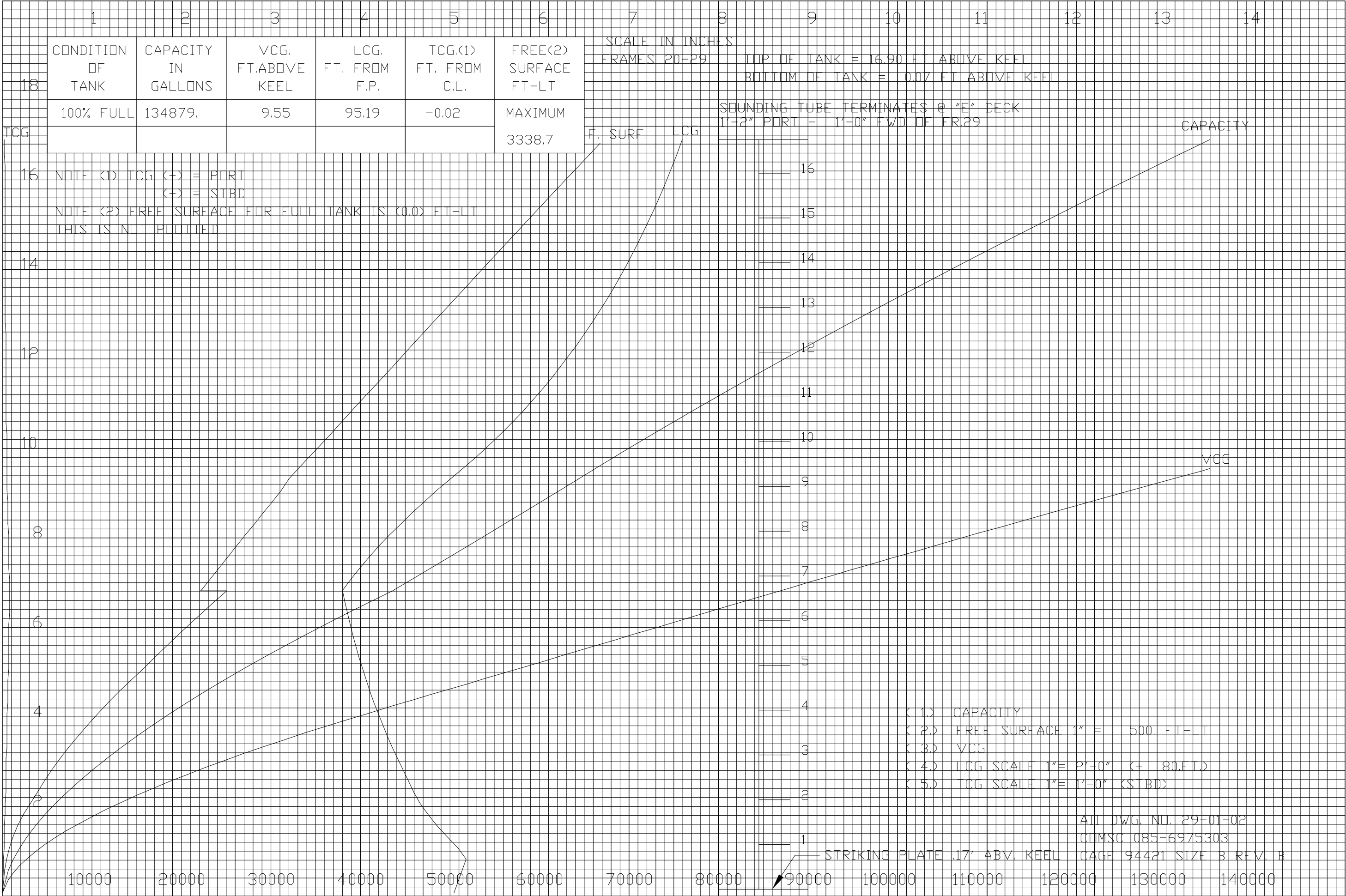
300000

325000

350000

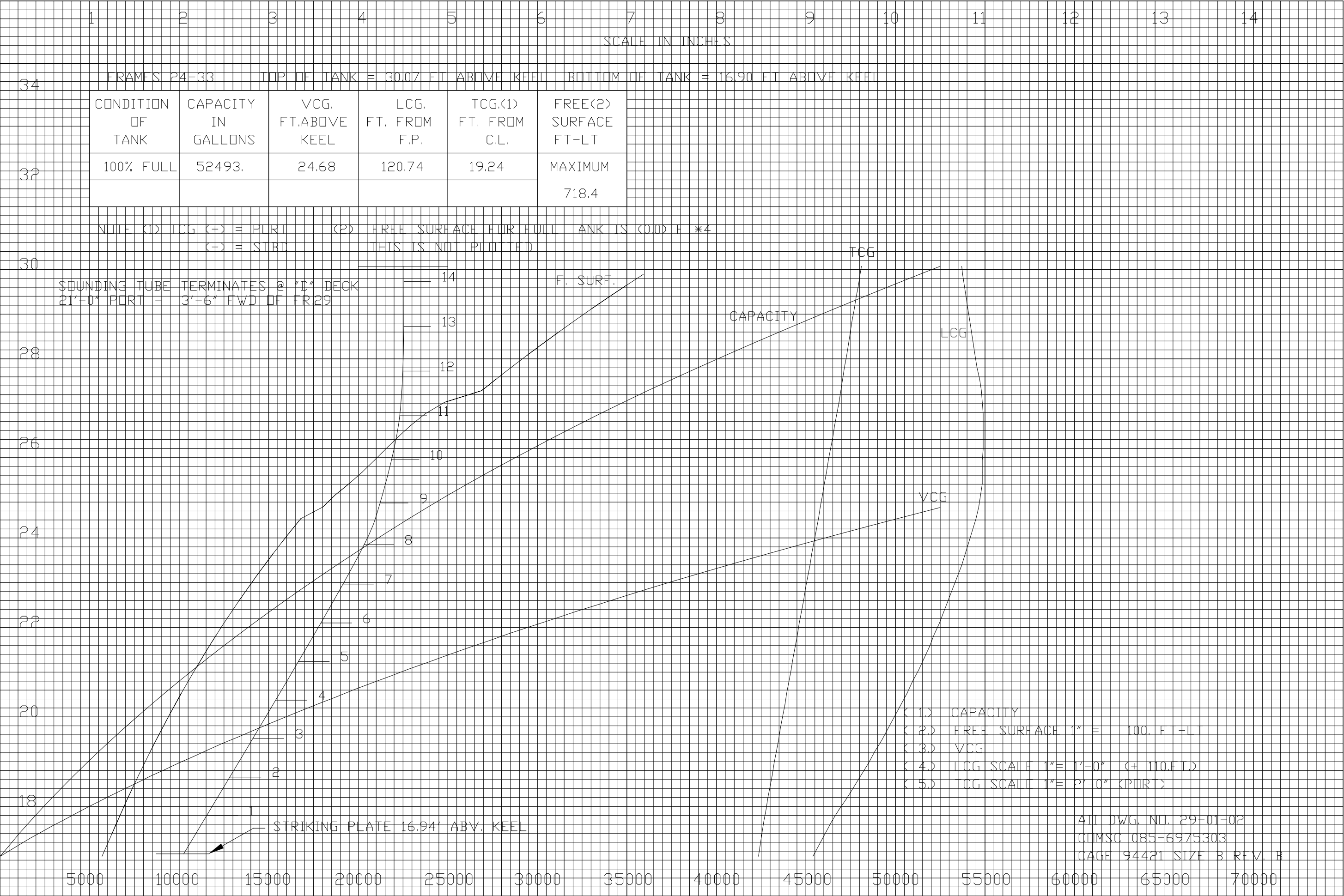
TANK: FWD SW BALLAST TANK 8-20-0

HEIGHT ABOVE KEEL - FEET



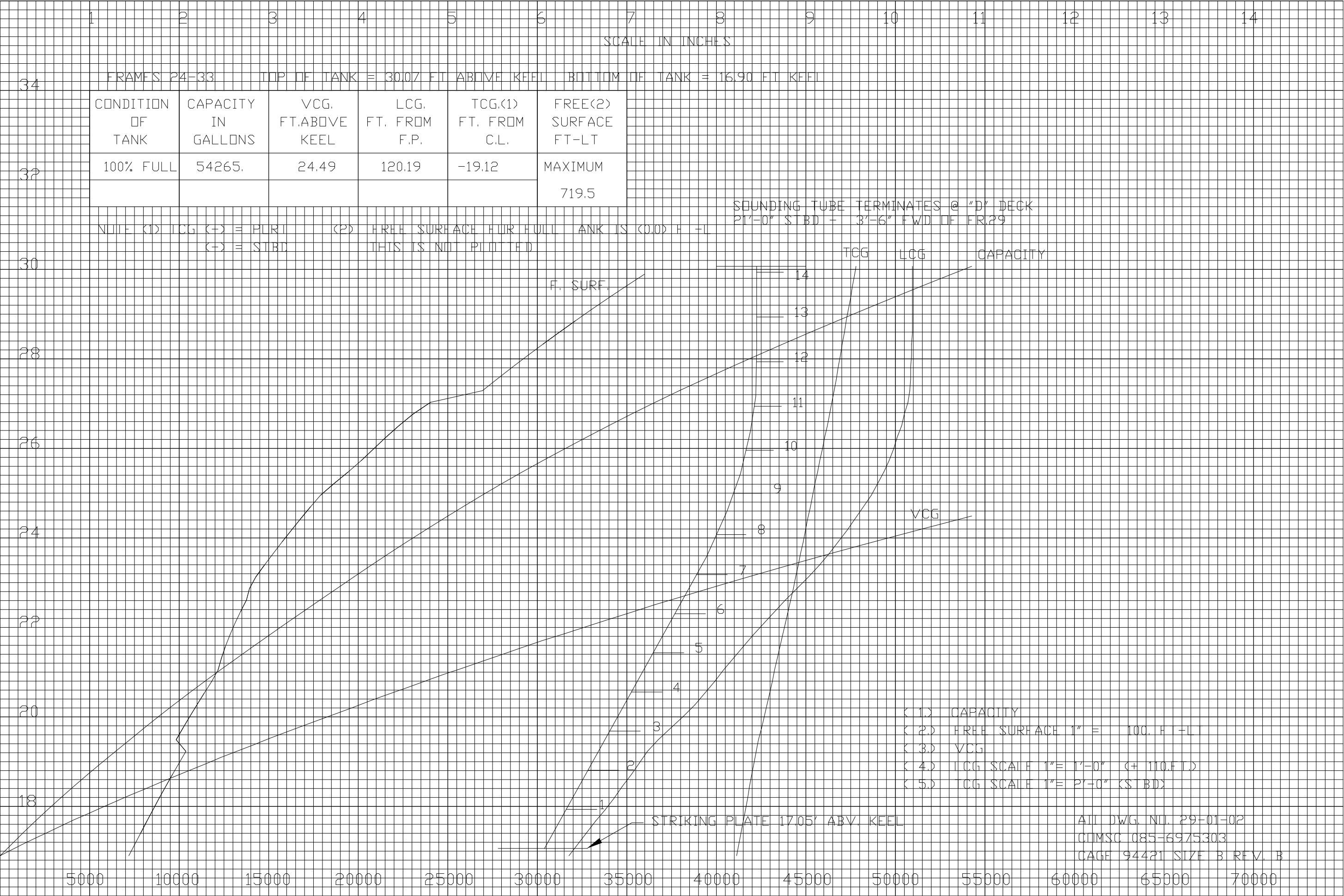
TANK: NO 1 WING BALLAST TANK P 6-24-2

HEIGHT ABOVE KEEL - FEET



TANK: NO 1 WING BALLAST TANK S 6-24-1

HEIGHT ABOVE KEEL - FEET



TANK: NO 2A WING BALLAST TANK P 7-33-2

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

50

FRAMES 33-38

TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 6.82 FT ABOVE KEEL

CONDITION
OF
TANK

CAPACITY
IN
GALLONS

VCG.
FT.ABOVE
KEEL

LCG.
FT. FROM
F.P.

TCG.(1)
FT. FROM
C.L.

FREE(2)
SURFACE
FT-LT

45

100% FULL

74305.

18.85

180.34

24.95

MAXIMUM

515.4

40

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT = 0
THIS IS NOT PLOTTED

35

30

25

20

15

10

SOUNDING TUBE TERMINATES @ "D" DECK
35'-0" PORT - 1'-0" AFT OF FR.37
CAPACITY

F. SURF.

25

20

VCG

STRIKING PLATE 6.90' ABV. KEEL

LCG

TCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 50. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 170.FTL)
- (5) TCG SCALE 1" = 2'-0" (PORT)

ALL DWG. NUL 29-01-02
COMSEC 085-6975303
CAGE 94421 SIZE B REV. F

TANK: NO 2A WING BALLAST TANK S 7-33-1

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

50

FRAMES 33-38

TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 6.82 FT ABOVE KEEL

45

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	74749.	18.75	180.32	-24.88	MAXIMUM
					533.5

40

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT = L
(THIS IS NOT PLOTTED)

35

30

25

20

15

10

SOUNDING TUBE TERMINATES @ "D" DECK
35'-3" STBD - 1'-0" AFT OF FR37

F. SURF.

25

20

15

10

5

STRIKING PLATE 6.82' ABV. KEEL

VCG

LCG

TCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 50. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 170.FT.)
- (5) CG SCALE 1"= 2'-0" (STBD)

ALL DWG. NO. 29-01-02
COMSC 085-6975303
CAGE 94421 SIZE B REV. E

TANK: NO 2B WING BALLAST TANK P OR S 8-38-4/3

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

45

FRAMES 38-44

TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 2.89 FT ABOVE KEEL

40

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	108367.	17.62	228.83	31.90	MAXIMUM
					887.6

35

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
(THIS IS NOT PLOTTED)

30

SOUNDING TUBE TERMINATES @ "D" DECK
45'-1 1/2" PORT - 10" AFT OF FR.43
8-38-3

SOUNDING TUBE TERMINATES @ "D" DECK
45'-1 1/2" PORT - 10" AFT OF FR.43
8-38-4

25

F. SURF.

LCG

TCG

CAPACITY

20

15

10

5

STRIKING PLATE 3.25' ABV. KEEL

STRIKING PLATE 3.25' ABV. KEEL

- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 220.FT.)
- (5) TCG SCALE 1" = 5'-0" (PORT)

ALL DWG. NO. 29-01-02
CUMSC 085-6975303
CAGE 94421 SIZE B REV. E

10000

20000

30000

40000

50000

60000

70000

80000

90000

100000

110000

120000

130000

140000

TANK: NO 2C WING BALLAST TANK P 8-44-4

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

45

FRAMES 44-50

TOP OF TANK = 30.07 FT ABOVE KEEL BOTTOM OF TANK = 0.97 FT ABOVE KEEL

40

CONDITION
OF
TANK

CAPACITY
IN
GALLONS

VCG,
FT.ABOVE
KEEL

LCG,
FT. FROM
F.P.

TCG.(1)
FT. FROM
C.L.

FREE(2)
SURFACE
FT-LT

100% FULL

103007.

15.61

283.22

37.61

MAXIMUM

802.7

35

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

30

F. SURF.

LCG

SOUNDING TUBE TERMINATES @ "D" DECK
49'-0 5/8" PORT - 27" FWD OF FR.49

TCG

CAPACITY

25

20

15

10

5

10000

20000

30000

40000

50000

60000

70000

80000

90000

100000

110000

120000

130000

140000

STRIKING PLATE 1.38' ABV. KEEL

- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 2'-0" (+ 280.FT.)
- (5) TCG SCALE 1" = 5'-0" (PORT)

ALL DWG. NO. 29-01-02
QUMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: NO 2C WING BALLAST TANK S 8-44-3

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

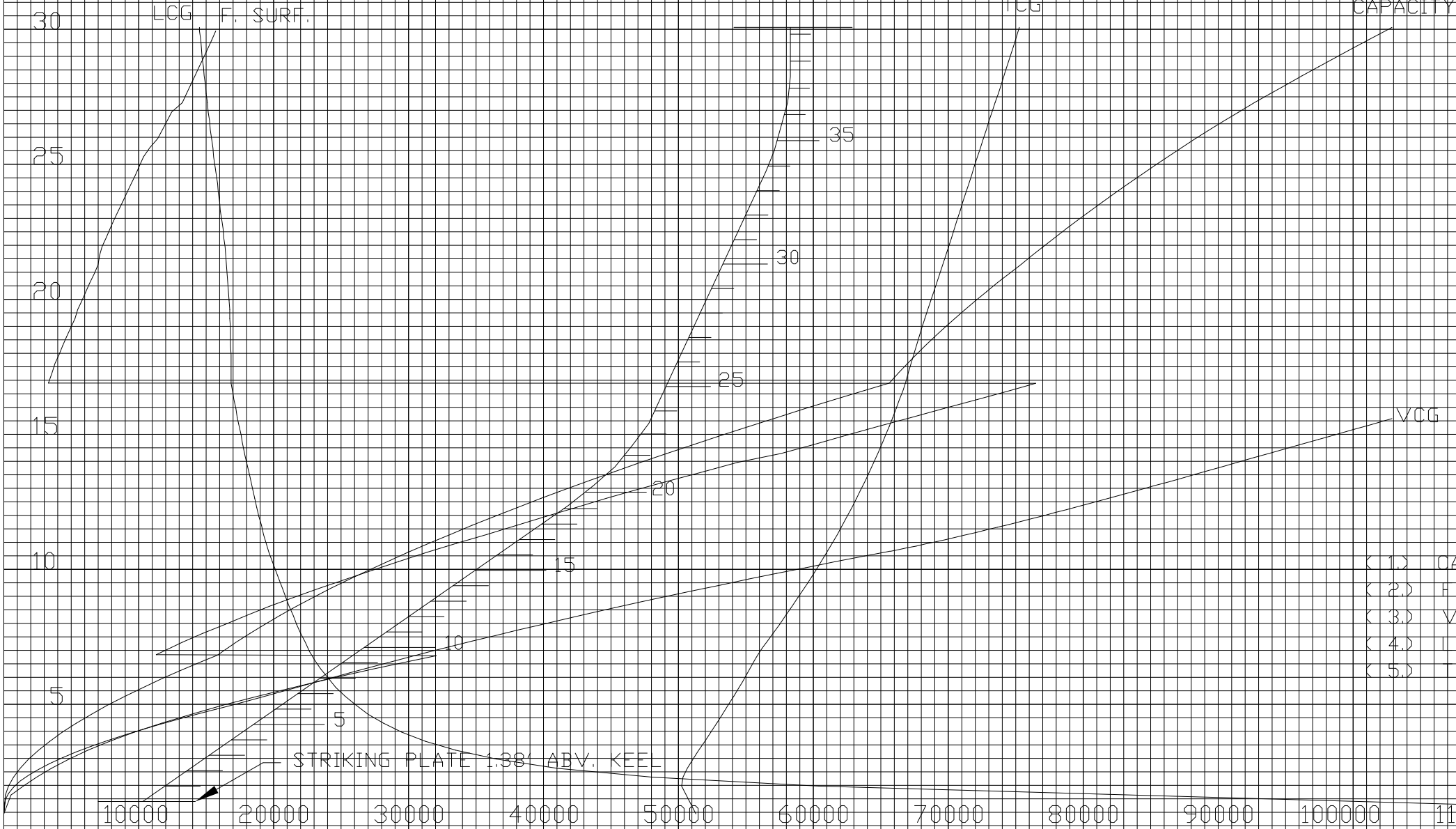
SCALE IN INCHES

FRAMES 44-50 TOP OF TANK = 30.07 FT ABOVE KEEL BOTTOM OF TANK = 0.97 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	102877.	15.58	282.90	-37.63	MAXIMUM
					764.8

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ "D" DECK
49'-0 5/8" STBD - 27" FWD OF FR.49
TCG



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 2'-0" (= 280.FT)
- (5) TCG SCALE 1"= 5'-0" (STBD)

ALL DWG. NO. 29-01-02
QUMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: NO 3A WING BALLAST TANK P 8-50-4

HEIGHT ABOVE KEEL - FEET

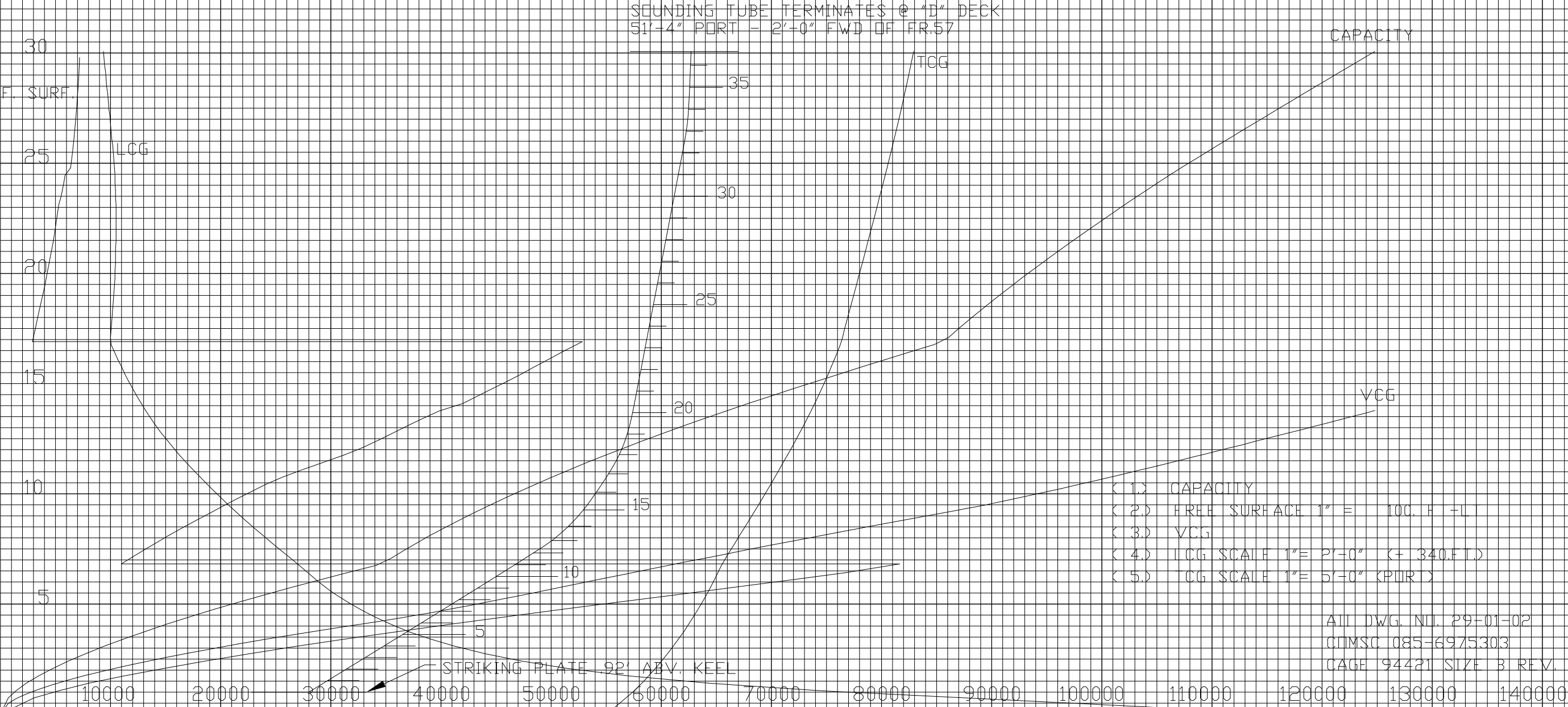
1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

FRAMES 50-57 TOP OF TANK = 30.07 FT ABOVE KEEL BOTTOM OF TANK = 01.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG<1> FT. FROM C.L.	FREE<2> SURFACE FT-LT
100% FULL	124786.	13.78	341.87	41.46	MAXIMUM
					816.0

NOTE <1> TCG (+) = PORT (-) = STBD <2> FREE SURFACE FOR FULL TANK IS <0.0> FT = L THIS IS NOT PLOTTED



TANK: NO 3A WING BALLAST TANK S 8-50-3

HEIGHT ABOVE KEEL - FEET

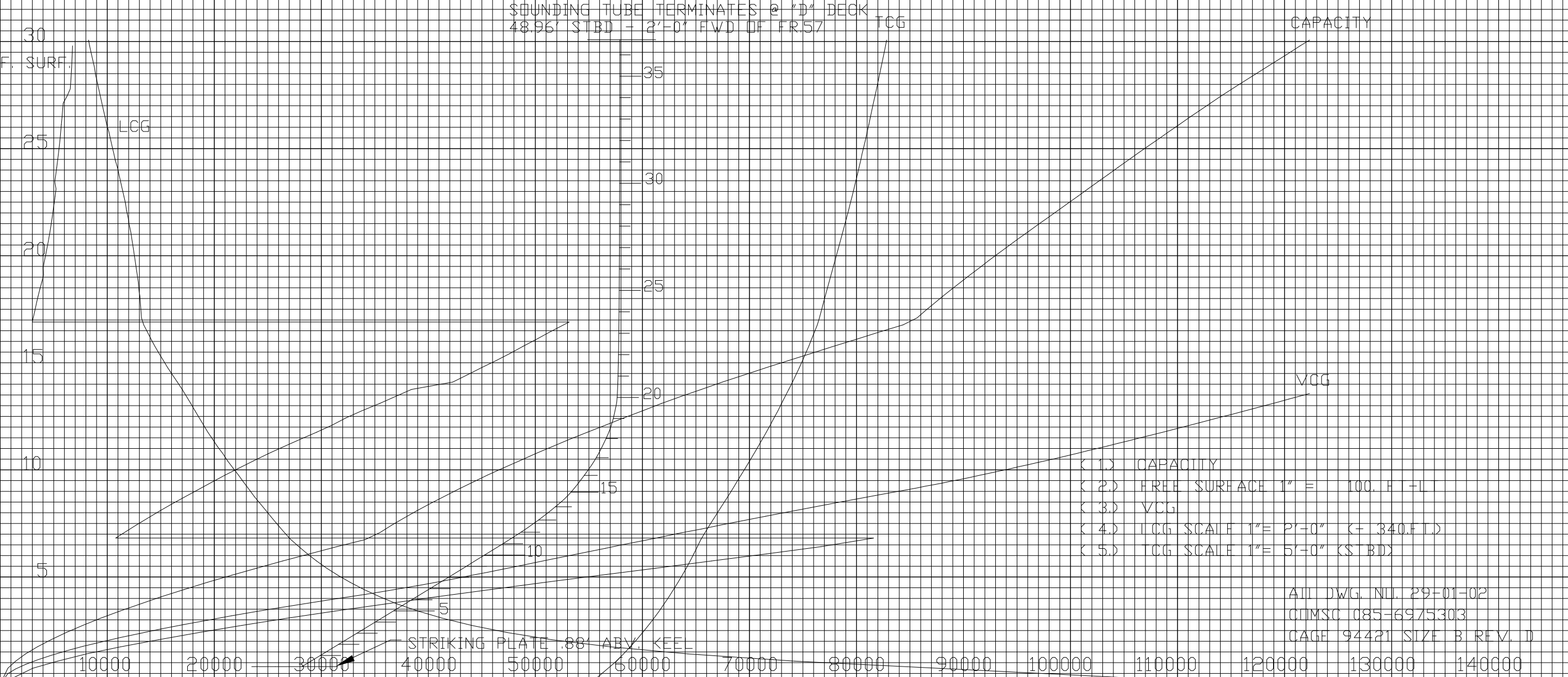
1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

FRAMES 50-57 TOP OF TANK = 30.07 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	122339.	13.57	341.65	-41.41	MAXIMUM
					816.0

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT = 0 THIS IS NOT PLOTTED



- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (= 340.FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

ALL DWG. NO. 29-01-02
QUMSC 085-6975303
CAGE 94421 SIZE B REV. D

TANK: NO 3B WING BALLAST TANK P 8-57-2

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

45

FRAMES 57-64

TOP OF TANK = 30.07 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

40

CONDITION
OF
TANK

CAPACITY
IN
GALLONS

VCG.
FT.ABOVE
KEEL

LCG.
FT. FROM
F.P.

TCG.(1)
FT. FROM
C.L.

FREE(2)
SURFACE
FT-LT

100% FULL

121702.

11.13

403.27

42.28

MAXIMUM

1786.4

35

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

30

F. SURF.

25

20

15

10

5

STRIKING PLATE .28' ABV. KEEL

10000

20000

30000

40000

50000

60000

70000

80000

90000

100000

110000

120000

130000

140000

SOUNDING TUBE TERMINATES @ "D" DECK
51'-1 1/2' PORT = 2'-0' FWD OF FR.61

LCG

TCG

CAPACITY

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 200. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 400FT.)
- (5) TCG SCALE 1"= 5'-0" (PORT)

ALL DWG. NO. 29-01-02
CUMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: NO 3B WING BALLAST TANK S 8-57-1

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

45

FRAMES 57-64

TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

40

CONDITION
OF
TANK

CAPACITY
IN
GALLONS

VCG,
FT.ABOVE
KEEL

LCG,
FT. FROM
F.P.

TCG.(1)
FT. FROM
C.L.

FREE(2)
SURFACE
FT-LT

100% FULL

127398.

11.27

404.93

-42.61

MAXIMUM

1786.4

35

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT = 0
THIS IS NOT PLOTTED

30

F. SURF.

25

20

15

10

5

LCG

SOUNDING TUBE TERMINATES @ "D" DECK
51'-3" STBD = 2'-0" FWD OF FR.61

35

30

25

20

15

10

5

TCG

CAPACITY

- (1.) CAPACITY
(2.) FREE SURFACE 1" = 200. FT-LT
(3.) VCG
(4.) LCG SCALE 1"= 1'-0" (+ 400FT.)
(5.) TCG SCALE 1"= 5'-0" (STBD)

VCG

STRIKING PLATE .28' ABV. KEEL

10000

20000

30000

40000

50000

60000

70000

80000

90000

100000

110000

120000

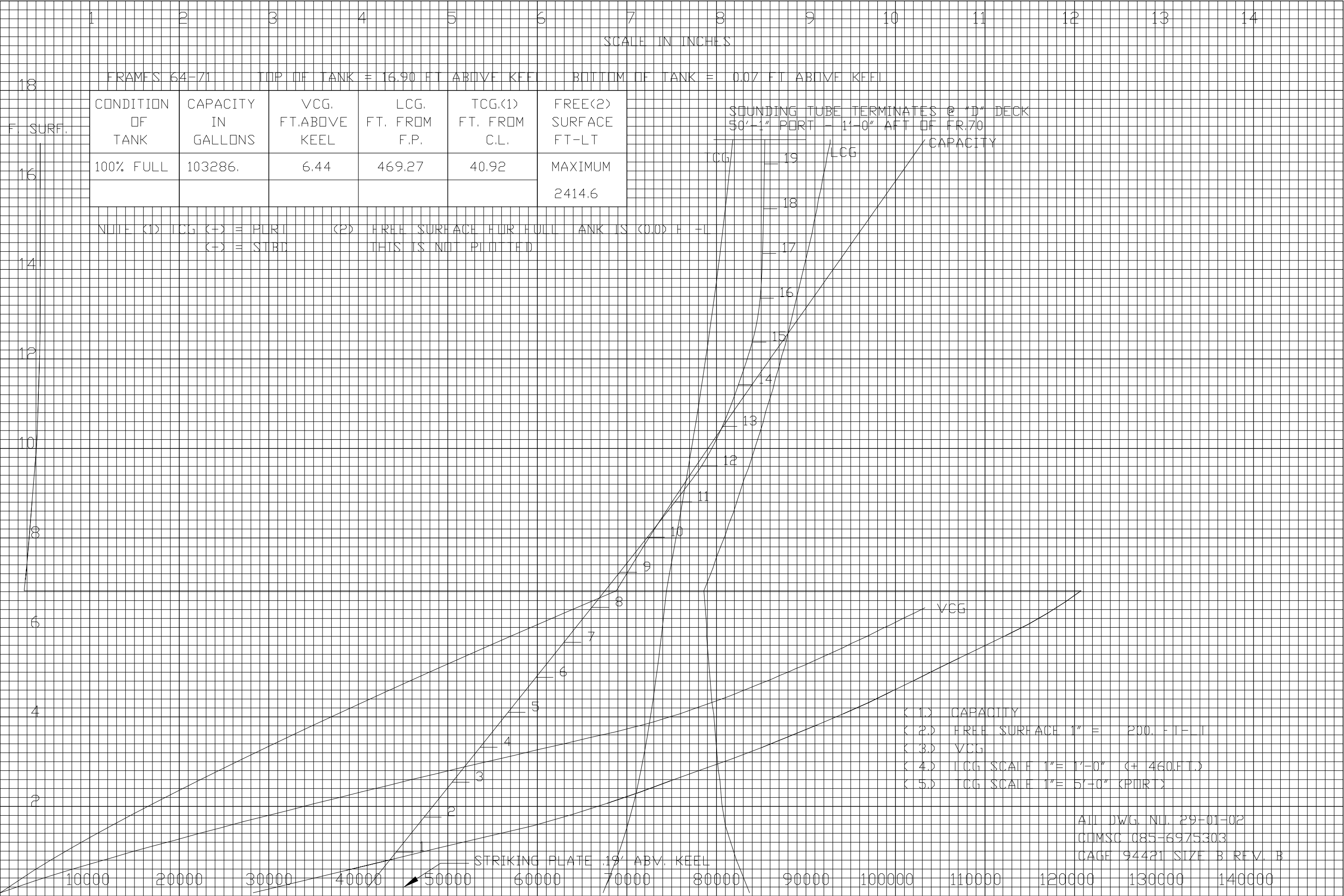
130000

140000

CAPACITY IN GALLONS

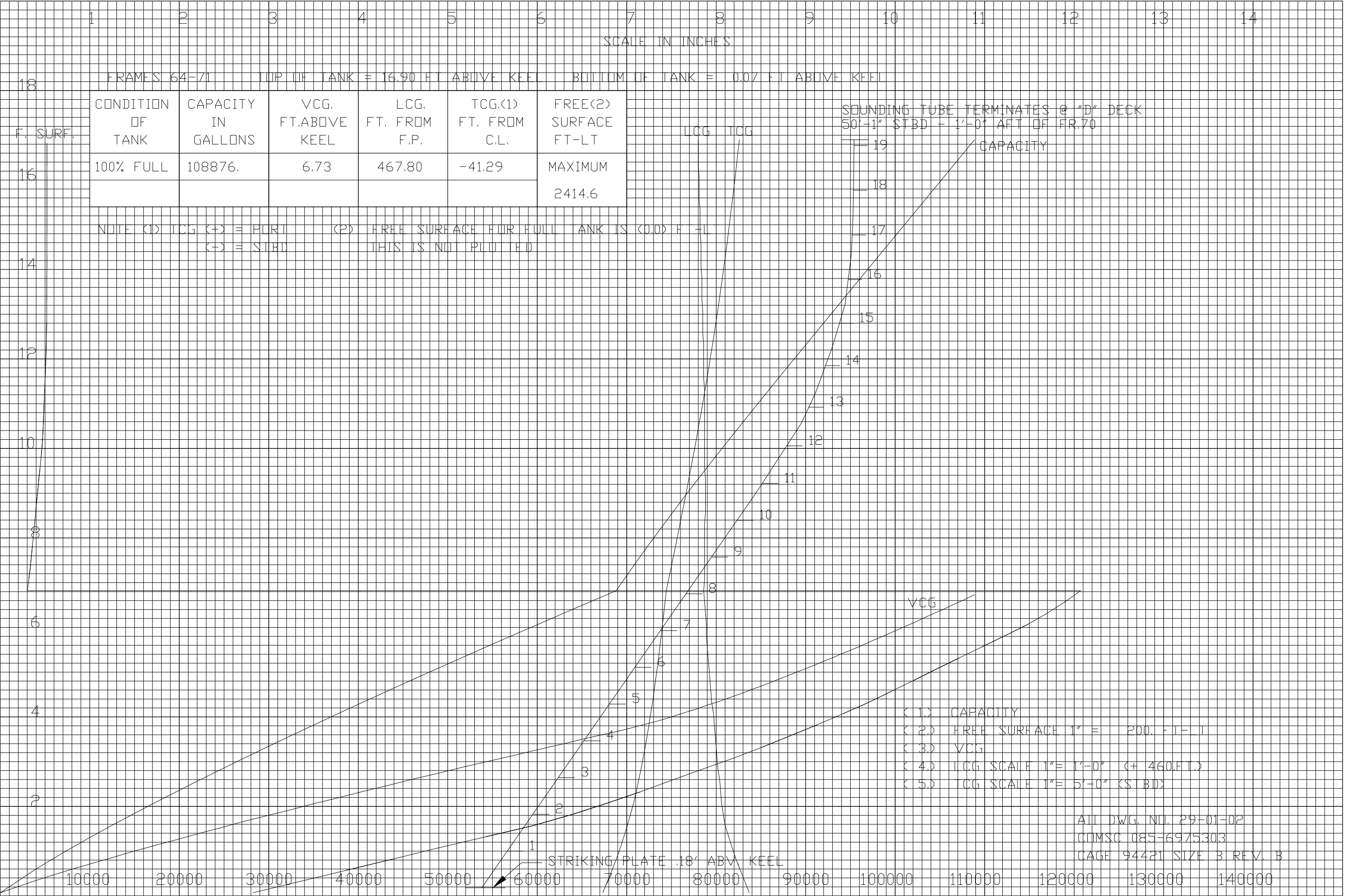
TANK: NO 3C WING BALLAST TANK P 8-64-4

HEIGHT ABOVE KEEL - FEET



TANK: NO 3C WING BALLAST TANK S 8-64-3

HEIGHT ABOVE KEEL - FEET



TANK: NO 4A WING BALLAST TANK P 8-71-4

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

45

FRAMES 71-78

TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

40

CONDITION
OF
TANK

CAPACITY
IN
GALLONS

VCG,
FT.ABOVE
KEEL

LCG,
FT. FROM
F.P.

TCG.(1)
FT. FROM
C.L.

FREE(2)
SURFACE
FT-LT

100% FULL

143013.

11.15

530.14

43.28

MAXIMUM

2350.3

35

NOTE: (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

30

F. SURF.

SOUNDING TUBE TERMINATES @ "D" DECK
50'-1" PORT = 2'-0" FWD OF FR.72

30

25

20

15

10

CAPACITY

TCG

LCG

25

20

15

10

5

VCG

- < 1.> CAPACITY
- < 2.> FREE SURFACE 1" = 200. FT-LT
- < 3.> VCG
- < 4.> LCG SCALE 1"= 1'-0" (+ 520.FT.)
- < 5.> TCG SCALE 1"= 5'-0" (PORT)

STRIKING PLATE 31' ABV. KEEL

20000

40000

60000

80000

100000

120000

140000

160000

180000

200000

220000

240000

260000

280000

JOB NO. C3-222

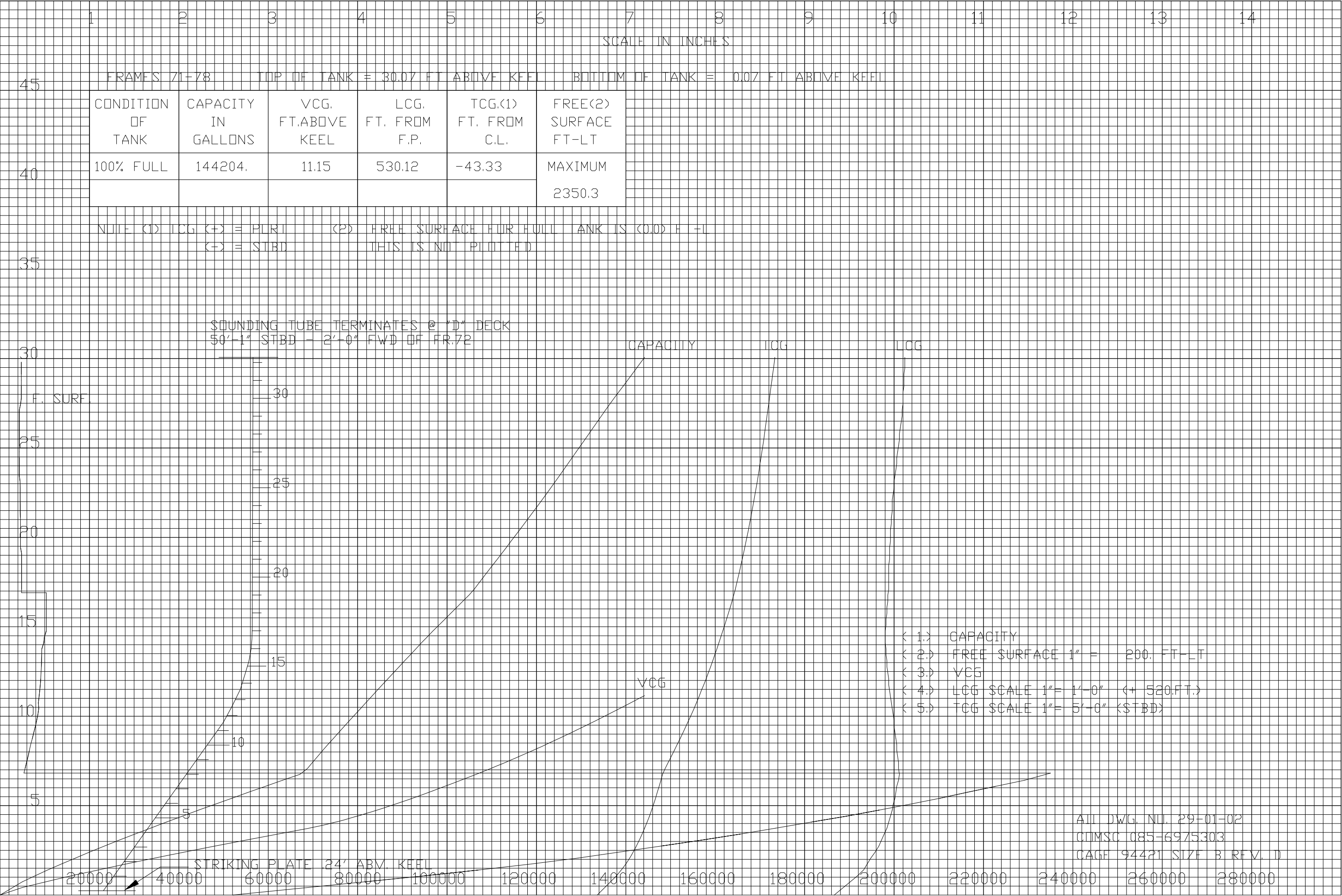
CAPACITY IN GALLONS

ALL DWG. NUL 29-01-02
CUMSC 085-6975303
CAGE 94421 SIZE B REV. D

SHEET NO. 28

TANK: NO 4A WING BALLAST TANK S 8-71-3

HEIGHT ABOVE KEEL - FEET



TANK: NO 4B WING BALLAST TANK P 8-78-4

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

45

FRAMES 78-85

TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

40

CONDITION
OF
TANK

CAPACITY
IN
GALLONS

VCG,
FT.ABOVE
KEEL

LCG,
FT. FROM
F.P.

TCG.(1)
FT. FROM
C.L.

FREE(2)
SURFACE
FT-LT

100% FULL

137277.

11.83

593.94

42.85

MAXIMUM

1839.0

35

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT = 0
THIS IS NOT PLOTTED

30

F. SURF.

25

20

15

10

5

SOUNDING TUBE TERMINATES @ "D" DECK
29'-0" PORT - 11 5/8" FWD OF FR 85

TCG

CAPACITY

LCG

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 200. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 580.FT.)
- (5) TCG SCALE 1"= 5'-0" (PORT)

STRIKING PLATE .21' ABV. KEEL

10000

20000

30000

40000

50000

60000

70000

80000

90000

100000

110000

120000

130000

140000

TANK: NO 4B WING BALLAST TANK S 8-78-3

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

45

FRAMES 78-85

TOP OF TANK = 30.07 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

40

CONDITION
OF
TANK

CAPACITY
IN
GALLONS

VCG.
FT.ABOVE
KEEL

LCG.
FT. FROM
F.P.

TCG.(1)
FT. FROM
C.L.

FREE(2)
SURFACE
FT-LT

100% FULL

138709.

11.87

594.35

-42.90

MAXIMUM

1839.0

35

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT = 0
THIS IS NOT PLOTTED

30

F. SURF.

25

20

15

10

5

SOUNDING TUBE TERMINATES @ "D" DECK
29'-0" STBD = 1'-0" FWD OF FR.85

TCG

CAPACITY

LCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 200. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 580.FT.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

VCG

STRIKING PLATE .25' ABV. KEEL

ALL DWG. NUL 29-01-02
QUMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: NO 6A WING BALLAST TANK P OR S 8-99-4/3

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

55 FRAMES 99-103 TOP OF TANK = 31.57 FT ABOVE KEEL BOTTOM OF TANK = 11.88 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	79092.	24.73	767.41	36.11	MAXIMUM
					1330.7

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT = L THIS IS NOT PLOTTED

45
40
35

SOUNDING TUBE TERMINATES @ "D" DECK
33'-0" PORT = 9' FWD OF FR.99

8-99-4

SOUNDING TUBE TERMINATES @ "D" DECK
19'-0" STBD = 11'-0" FWD OF FR.99

8-99-3

- (1) CAPACITY
(2) FREE SURFACE 1" = 100. FT = L
(3) VCG
(4) LCG SCALE 1"= 2'-0" (+ 750.FT.)
(5) TCG SCALE 1"= 5'-0" (PORT)

ALL DWG. NO. 29-01-02
QIMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: NO 6B WING BALLAST TANK P OR S 8-103-4/3

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

FRAMES 103+106 TOP OF TANK = 31.57 FT ABOVE KEEL BOTTOM OF TANK = 17.93 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	33054.	27.07	799.08	34.53	MAXIMUM
					682.5

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PRINTED

SOUNDING TUBE TERMINATES @ "D" DECK 26'-5" PORT = 6" AFT OF FR103

8-103-3

SOUNDING TUBE TERMINATES @ "D" DECK 26'-5" STBD = 9" AFT OF FR103

TCG

8-103-4

LCG

CAPACITY

F SURF.

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 50. FT-LT
- (3) VCG
- (4) TCG SCALE 1"= 2'-0" (+ 780.FT)
- (5) CG SCALE 1"= 5'-0" (PORT)

STRIKING PLATE 18.29' ABV. KEEL

STRIKING PLATE 18.35' ABV. KEEL

ALL DWG. NO. 29-01-02
COMSEC 085-6975303
CAGE 94421 SIZE B REV. C

TANK: NO 6D SW BALLAST TANK P OR S 8-109-2/1

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

42

FRAMES 109-113

TOP OF TANK = 35.57 FT ABOVE KEEL

BOTTOM OF TANK = 24.14 FT ABOVE KEEL

CONDITION
OF
TANK

CAPACITY
IN
GALLONS

VCG,
FT.ABOVE
KEEL

LCG,
FT. FROM
F.P.

TCG.(1)
FT. FROM
C.L.

FREE(2)
SURFACE
FT-LT

40

100% FULL

36960.

30.62

857.13

12.12

MAXIMUM

1714.8

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

38

SOUNDING TUBE TERMINATES @ "B" DECK
34 1/2" PORT 6" AFT OF FR.109

8-109-2

SOUNDING TUBE TERMINATES @ "B" DECK
6" STBD 6" AFT OF FR.109

8-109-1

CAPACITY

LCG

TCG

F. SURF.

34

32

30

28

26

STRIKING PLATE
24.39' ABV. KEEL

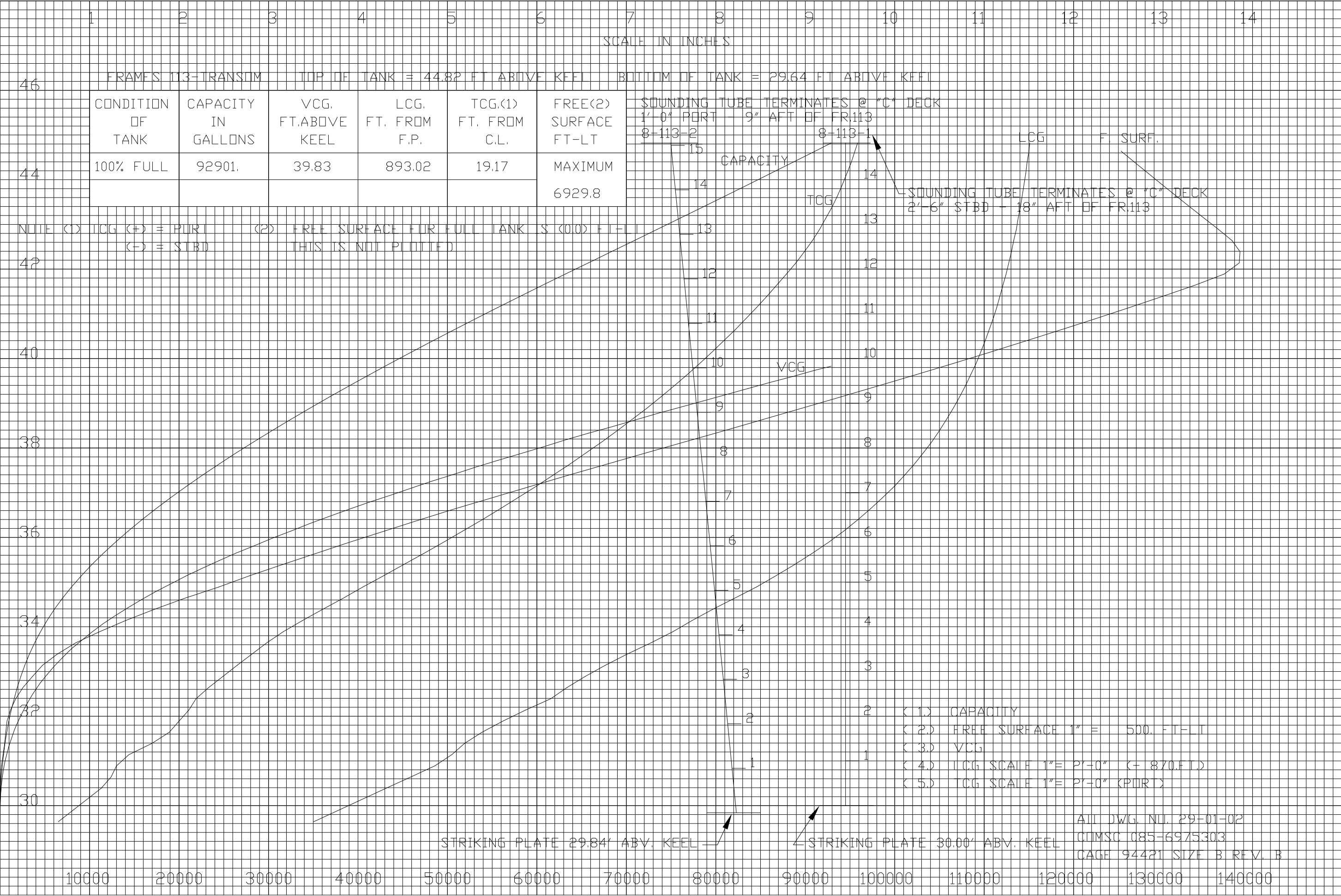
STRIKING PLATE 24.45' ABV. KEEL

- (1) CAPACITY
(2) FREE SURFACE 1" = 200. FT-LT
(3) VCG
(4) LCG SCALE 1" = 1'-0" (+ 840.FT.)
(5) TCG SCALE 1" = 1'-0" (PORT)

ALL DWG. NUL 29-01-02
QUMSC 085-6975303
CAGE 94421 SIZE B REV. B

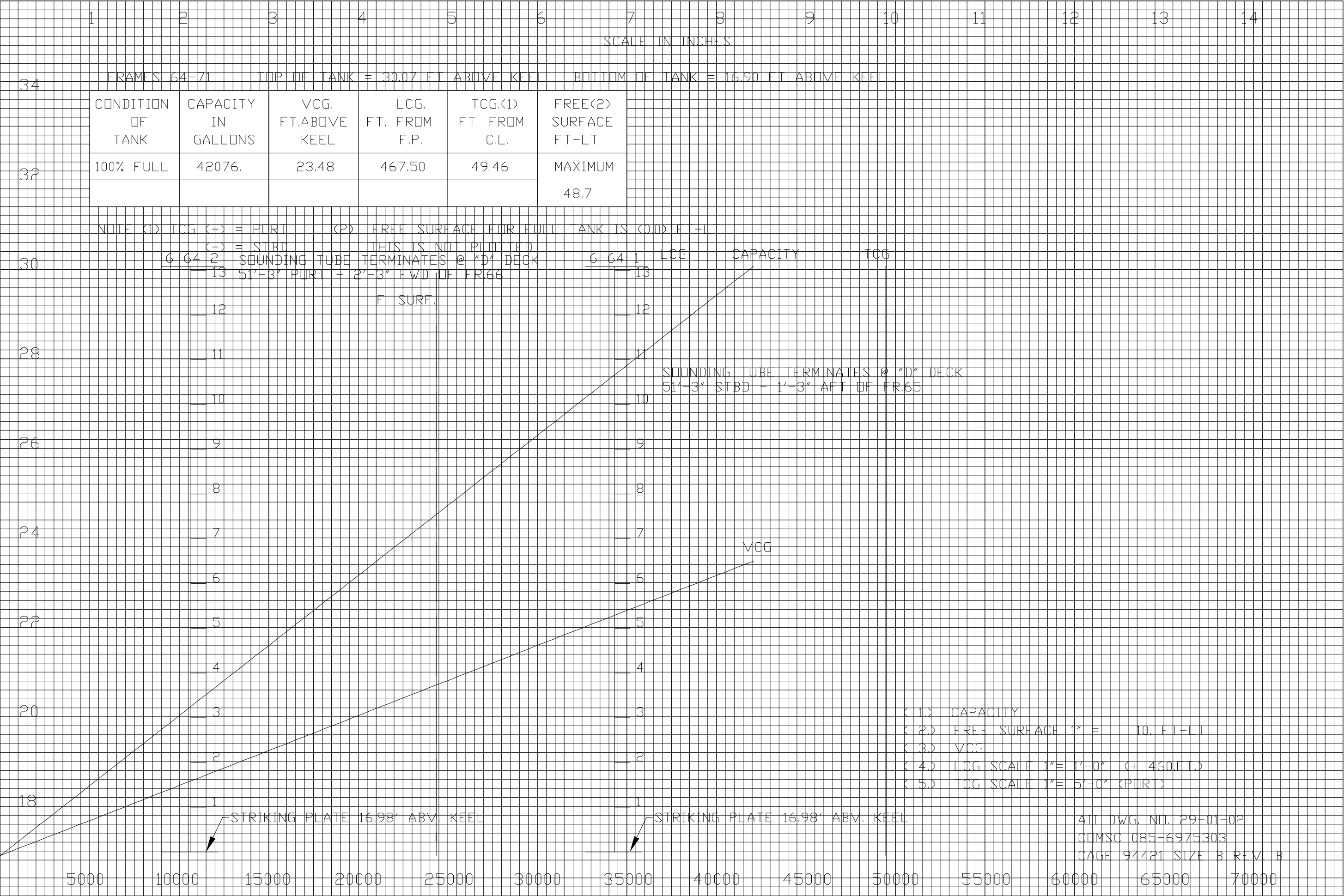
TANK: AFT PEAK BALLAST TANK P OR S 8-113-2/1

HEIGHT ABOVE KEEL - FEET



TANK: LIST CONTROL TANK P OR S 6-64-2/1

HEIGHT ABOVE KEEL - FEET



TANK: POTABLE WATER TANK NO 1 5-95-7

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

50 FRAMES 94-99 TOP OF TANK = 44.82 FT ABOVE KEEL BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	12706.	38.90	729.75	-44.26	MAXIMUM
					4.1

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

48

46

44

42

40

38

36

34

F. SURF.

PETCOCKS LOCATED ON "D" DECK
43'-3" STBD = 1'-9" AFT OF FR.94
5-95-7

TCG

LCG

CAPACITY

VALVE 10

VALVE 9

VALVE 8

VALVE 7

VALVE 6

VALVE 5

VALVE 4

VALVE 3

VALVE 2

VALVE 1

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 720.FT.)
- (5) TCG SCALE 1"= 5'-0" (STBD)

ALL DWG. NO. 29-01-02
CUMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: POTABLE WATER TANK NO 2 5-95-9

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

50

FRAMES 94-99

TOP OF TANK = 44.82 FT ABOVE KEEL

BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	15827.	38.94	729.07	-48.17	MAXIMUM
					8.1

48

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

46

PETCOCKS LOCATED ON "D" DECK
48'-9" STBD = 1'-9" AFT OF FR.94
5-95-9

CAPACITY F. SURF. LCG TCG

44

VALVE 10

42

VALVE 9

VALVE 8

40

VALVE 7

38

VALVE 6

VCG

VALVE 5

36

VALVE 4

- (1) CAPACITY
(2) FREE SURFACE 1" = 1. FT-LT
(3) VCG
(4) LCG SCALE 1"= 1'-0" (+ 720.FT.)
(5) TCG SCALE 1"= 5'-0" (STBD)

34

VALVE 3

VALVE 2

VALVE 1

2000

4000

6000

8000

10000

12000

14000

16000

18000

20000

22000

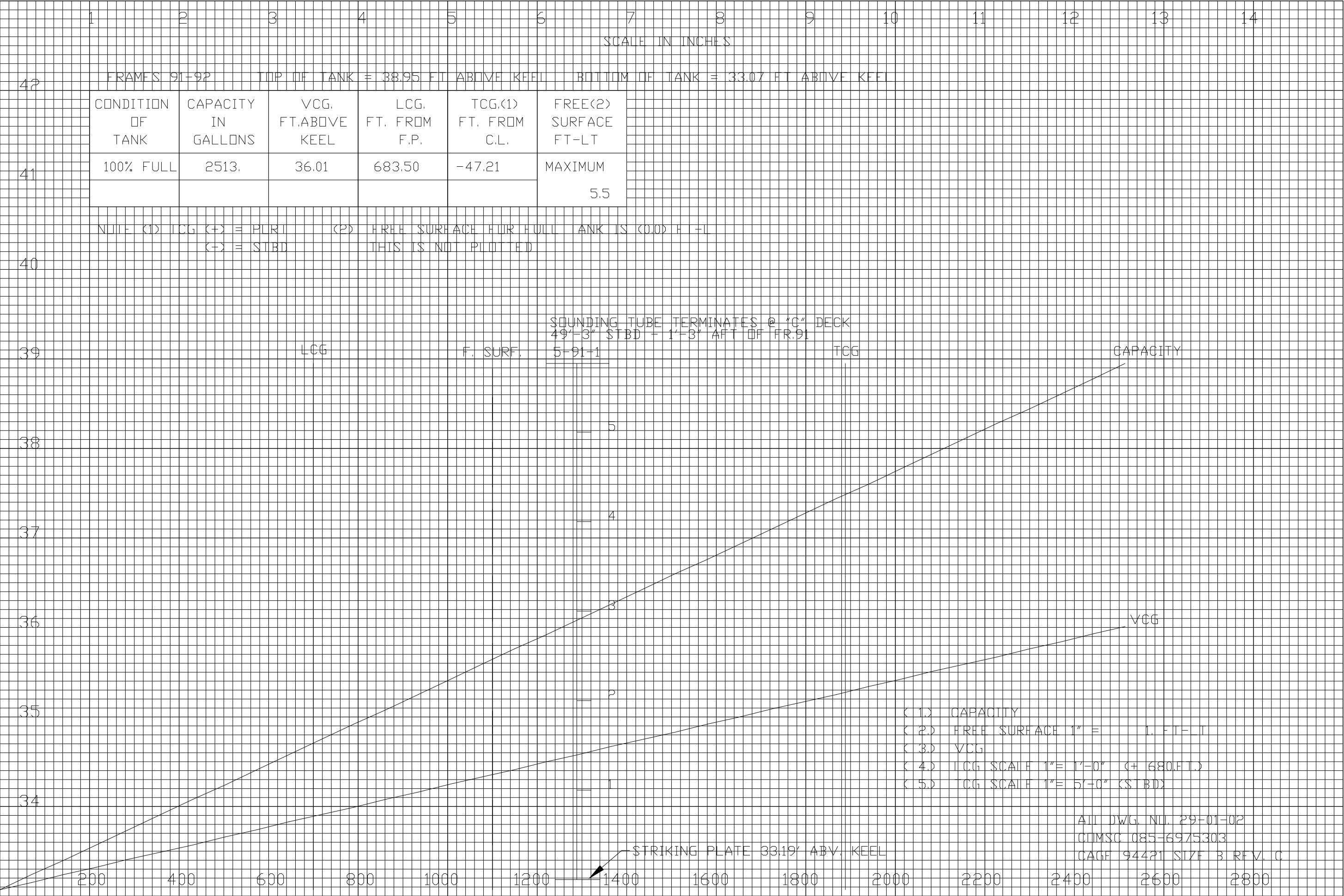
24000

26000

28000

TANK: RESV FEED WATER TANK 5-91-1

HEIGHT ABOVE KEEL - FEET



TANK: DIST WATER TANK 4.5-91-1

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

47

FRAMES 91-92

TOP OF TANK = 44.82 FT ABOVE KEEL

BOTTOM OF TANK = 38.95 FT ABOVE KEEL

46

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2513.	41.88	683.50	-47.21	MAXIMUM
					5.5

45

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ "C" DECK
48'-7" STBD = 1'-3" AFT OF FR.91

44

43

42

41

40

39

LCG

F. SURF.

4.5-91-1

TCG

CAPACITY

5

4

3

2

1

VCG

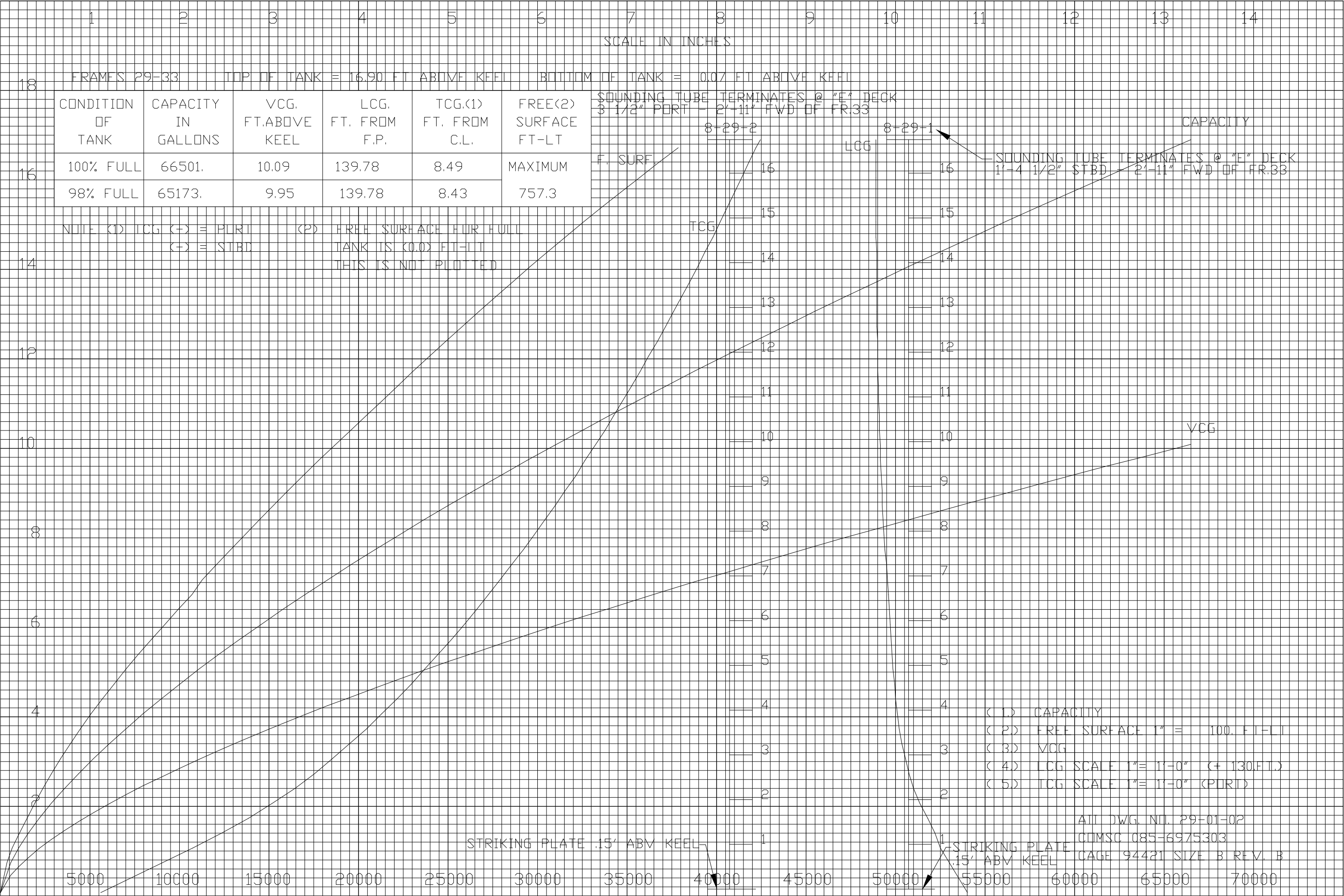
STRIKING PLATE 39.06' ABV. KEEL

- (1) CAPACITY
- (2) FREE SURFACE 1" = 1'-11"
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 680.F.T.)
- (5) TCG SCALE 1" = 5'-0" (STBD)

ALL DWG. NO. 29-01-02
COMSC 085-6975303
CAGE 94421 SIZE B REV. C

TANK: FUEL OIL TANK NO 1B P OR S 8-29-2/1

HEIGHT ABOVE KEEL - FEET



TANK: FUEL OIL TANK NO 2A P OR S 8-33-2/1

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

9

FRAMES 33-38

TOP OF TANK = 6.82 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

8

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	30620.	4.02	180.91	7.57	MAXIMUM
98% FULL	30007.	3.96	180.92	7.52	679.7

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

7

LCG

8-33-2 SOUNDING TUBE TERMINATES @ "F" DECK
1'-6" PORT - 5'-7 1/4" FWD OF FR.41

8-33-1 SOUNDING TUBE TERMINATES @ "F" DECK
1'-6" STBD - 5'-7 1/4" FWD OF FR.41

6

5

4

3

2

1

6

5

4

3

2

1

6

5

4

3

2

1

CAPACITY

F. SURF.

TCG

VCG

- (1) CAPACITY
(2) FREE SURFACE 1" = 50. FT-LT
(3) VCG
(4) LCG SCALE 1"= 1'-0" (+ 180.FT.)
(5) CG SCALE 1"= 1'-0" (PORT)

STRIKING PLATE .32' ABV KEEL

STRIKING PLATE .32' ABV KEEL

ALL DWG. NO. 29-01-02
COMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: FUEL OIL TANK NO 2B P OR S 8-38-2/1

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

FRAMES 38-44 TOP OF TANK = 6.82 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	48679.	3.71	230.86	9.49	MAXIMUM
98% FULL	47705.	3.65	230.86	9.48	915.9

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED SOUNDING TUBE TERMINATES @ "F" DECK 1'-6" STBD = 1'-1 1/2' FWD OF FR.46

LCG 8-38-2 SOUNDING TUBE TERMINATES @ "F" DECK 1'-6" PORT = 1'-1 1/2" FWD OF FR.46

8-38-1

CAPACITY

TCG

VCG

F. SURF.

- (1) CAPACITY
- (2) FREE SURFACE 1" = 100. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 230.FT.)
- (5) TCG SCALE 1"= 1'-0" (PORT)

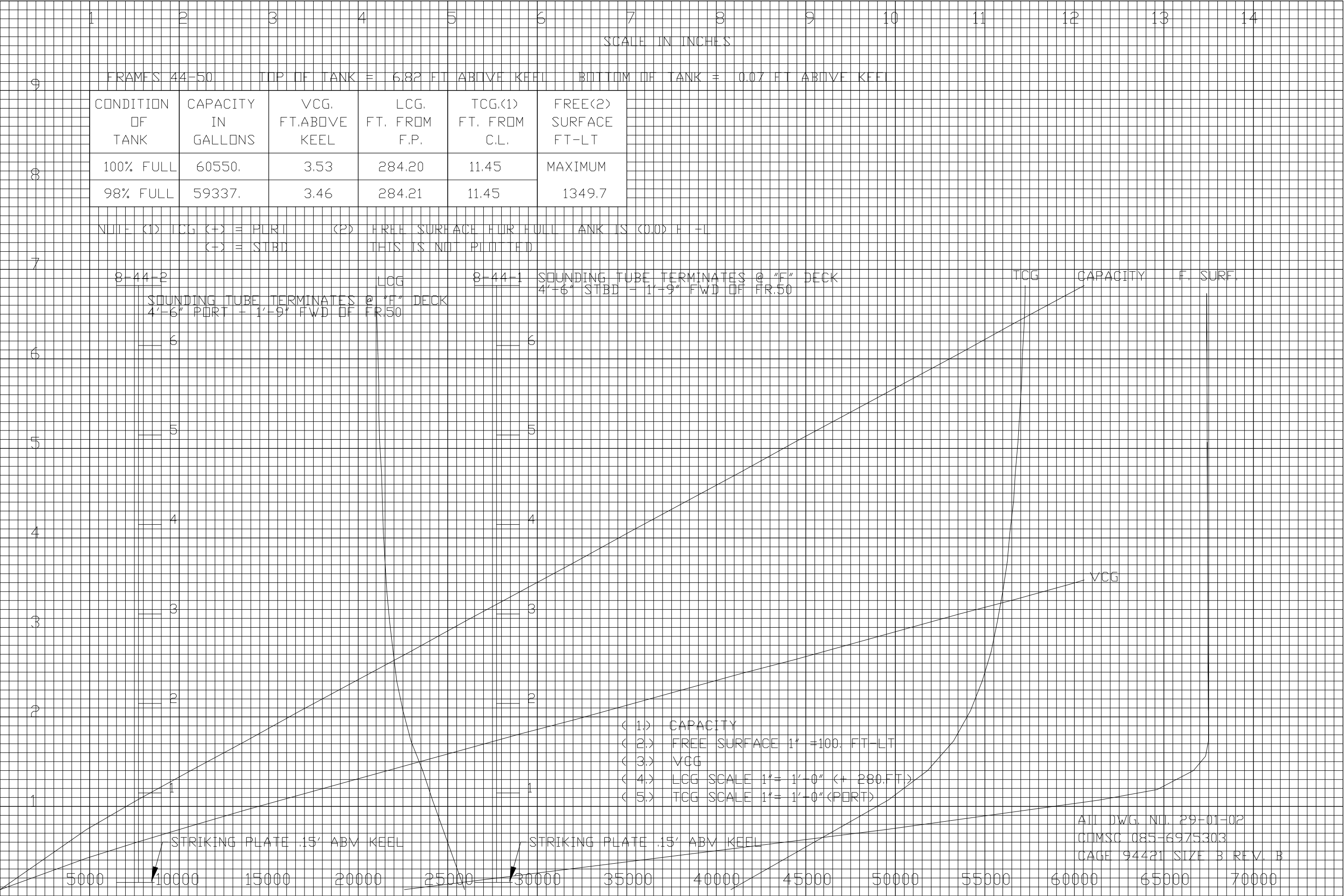
-STRIKING PLATE .32' ABV KEEL

STRIKING PLATE .32' ABV KEEL

ALL DWG. NO. 29-01-02
QUMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: FUEL OIL TANK NO 2C P OR S 8-44-2/1

HEIGHT ABOVE KEEL - FEET



TANK: FUEL OIL TANK NO 3A P OR S 8-50-2/1

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

FRAMES 50-57 TOP OF TANK = 6.82 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	80829.	3.45	341.56	12.97	MAXIMUM
98% FULL	79212.	3.39	341.56	12.97	2136.6

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLUMBED

8-50-2

SOUNDING TUBE TERMINATES @ "F" DECK
11' PORT = 1'-6" AFT OF FR.56

6 = 6

LCG

5 = 5

4 = 4

3 = 3

2 = 2

1 = 1

STRIKING PLATE 15' ABV KEEL

STRIKING PLATE 15' ABV KEEL

8-50-1

SOUNDING TUBE TERMINATES @ "F" DECK
11' STBD = 1'-6" AFT OF FR.56

6 = 6

5 = 5

4 = 4

3 = 3

2 = 2

1 = 1

CAPACITY

F. SURF.

TCG

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1' = 200. FT-LT
- (3) VCG
- (4) TCG SCALE 1' = 1'-0" (+ 340. FT)
- (5) TCG SCALE 1' = 1'-0" (PORT)

ALL DWG. NIL 29-01-02
CLMSC 085-69/5303
PAGE 94421 SIZE B REV. B

TANK: FUEL OIL TANK NO 3C P OR S 8-64-2/1

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

FRAMES 64-71 TOP OF TANK = 6.82 FT ABOVE KEEL BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	81063.	3.45	467.50	13.00	MAXIMUM
98% FULL	79442.	3.38	467.50	13.00	2136.6

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
(-) = STBD THIS IS NOT PLOTTED SOUNDING TUBE TERMINATES @ "F" DECK
12'-5" STBD - 9' FWD OF FR.71

8-64-2 SOUNDING TUBE TERMINATES @ "F" DECK
12'-5 3/4" PORT - 1'-0" AFT OF FR.71

8-64-1 LCG CAPACITY F. SURF. TCG

6

5

4

3

2

1

STRIKING PLATE .32" ABV KEEL

6

5

4

3

2

1

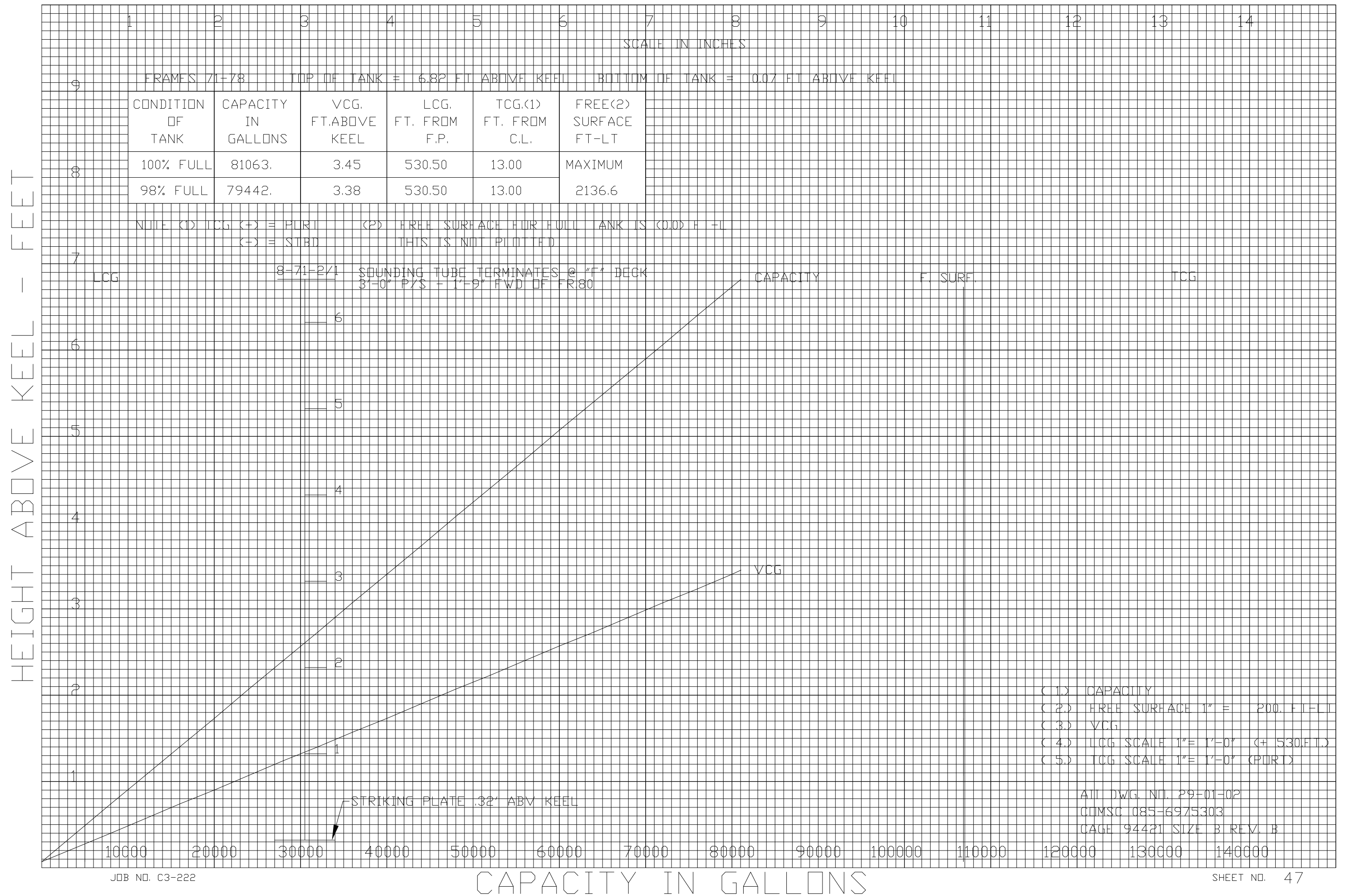
STRIKING PLATE .15' ABV KEEL

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 200. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 460.FT.)
- (5) TCG SCALE 1" = 1'-0" (PORT)

ALL DWG. NO. P9-01-02
COMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: FUEL OIL TANK NO 4A P OR S 8-71-2/1



TANK: FUEL OIL TANK NO 4B P OR S 8-78-2/1

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

9

FRAMES 78-85

TOP OF TANK = 6.82 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	80921.	3.45	593.45	12.98	MAXIMUM
98% FULL	79303.	3.38	593.45	12.98	2126.2

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT = 0
THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 1" DECK
18'-7" P/S = 1'-3" FWD OF FR.85

7

LCG

8-78-2/1

CAPACITY

F. SURF.

TCG

6

6

5

5

4

4

3

3

2

2

1

1

- (1) CAPACITY
(2) FREE SURFACE 1" = 200. FT = 1
(3) VCG
(4) LCG SCALE 1" = 1'-0" (+ 590.FT.)
(5) TCG SCALE 1" = 1'-0" (PORT)

ALL DWG. NO. 29-01-02
COMSC 085-6975303
PAGE 94421 SIZE 3 REV. B

STRIKING PLATE .15' ABV KEEL

10000

20000

30000

40000

50000

60000

70000

80000

90000

100000

110000

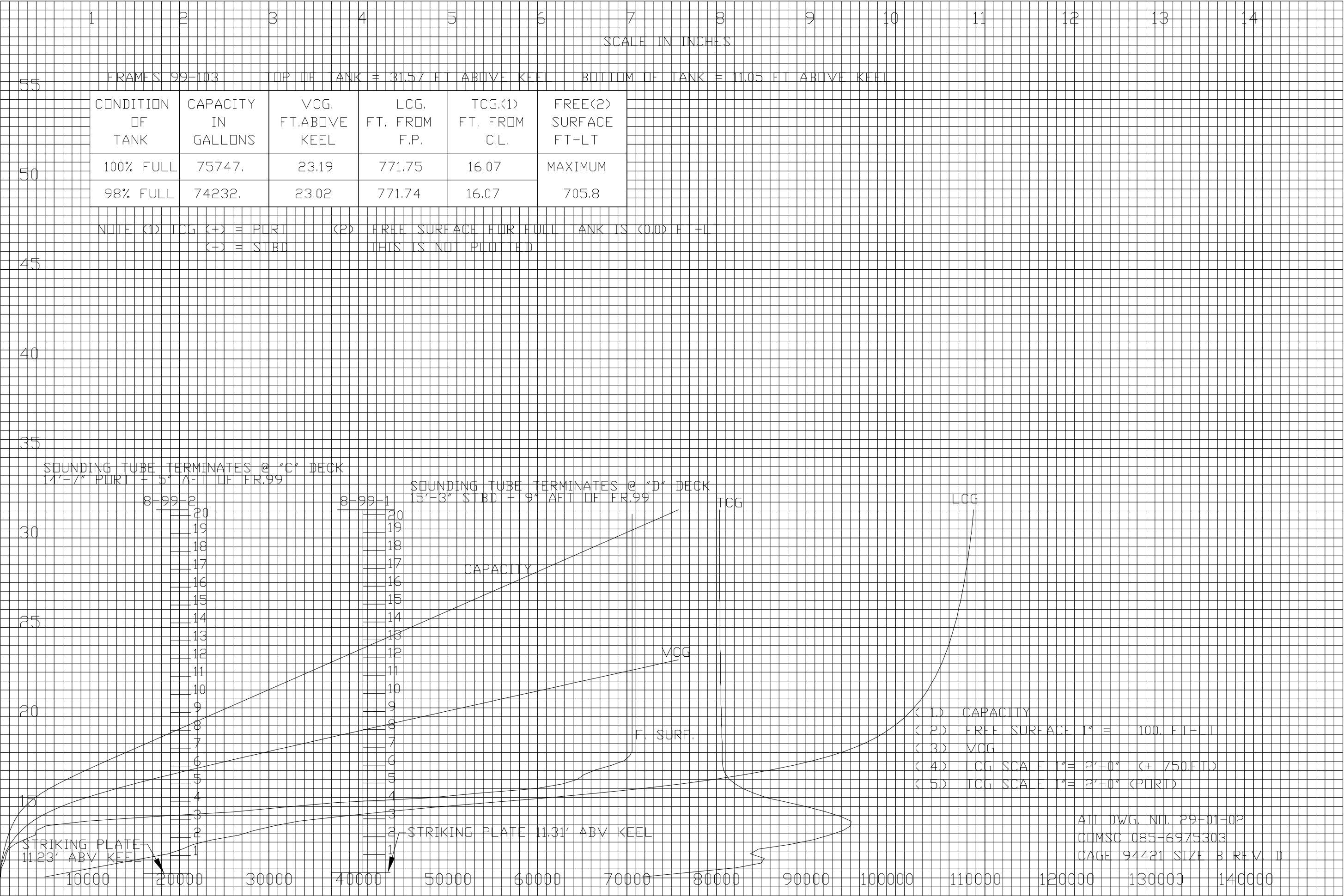
120000

130000

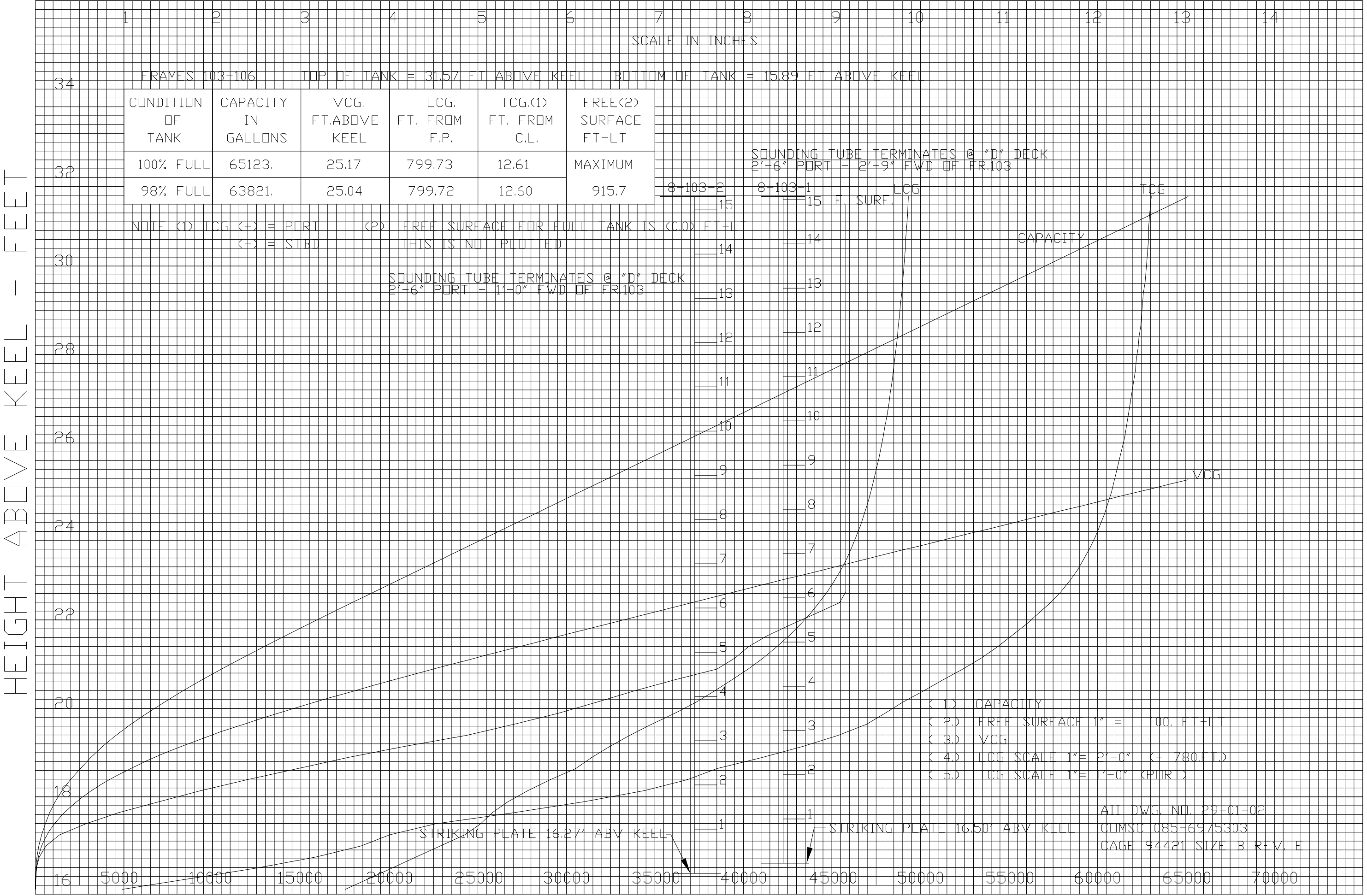
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TANK: FUEL OIL TANK NO 6A P OR S 8-99-2/1

HEIGHT ABOVE KEEL - FEET



TANK: FUEL OIL TANK NO 6B P OR S 8-103-2/1



TANK: FUEL OIL TANK NO 6C P OR S 8-106-2/1

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

38

FRAMES 106-109

TOP OF TANK = 31.57 FT ABOVE KEEL

BOTTOM OF TANK = 20.02 FT ABOVE KEEL

36

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG<1> FT. FROM C.L.	FREE<2> SURFACE FT-LT
100% FULL	57393.	27.68	826.00	17.33	MAXIMUM
98% FULL	56245.	27.61	825.97	17.25	4225.2

NOTE <1> TCG <+> = PORT
<-> = STBD

<2> FREE SURFACE FOR FULL TANK IS <0.0> FT-LT
THIS IS NOT PLOTTED

34

32

SOUNDING TUBE TERMINATES @ "D" DECK
6" P/S - 5'-0" AFT OF FR.104
8-106-2/1

30

28

26

24

22

11
10
9
8
7
6
5
4
3
2
1

STRIKING PLATE 20.27' ABV KEEL

F. SURF.

TCG

LCG

CAPACITY

VCG

- < 1> CAPACITY
< 2> FREE SURFACE 1" = 500. FT-LT
< 3> VCG
< 4> TCG SCALE 1"= 2'-0" <+ 810.FT.>
< 5> TCG SCALE 1"= 2'-0" <PORT>

ALL DWG. NO. 29-01-02
CLIMSC 085-6975303
CAGE 94421 SIZE B REV. F

5000 10000 15000 20000 25000 30000 35000 40000 45000 50000 55000 60000 65000 70000

TANK: SSDG FUEL OIL SERVICE TANK 6.5-99-1

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

34 FRAMES 99-101 TOP OF TANK = 31.57 FT ABOVE KEEL BOTTOM OF TANK = 25.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	12010.	28.32	760.00	-7.00	MAXIMUM
98% FULL	11770.	28.26	760.00	-7.00	95.3

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
(-) = STBD THIS IS NOT PLOTTED

32 SOUNDING TUBE TERMINATES @ "D" DECK
7'-3 1/2" STBD - 9" AFT OF FR.99

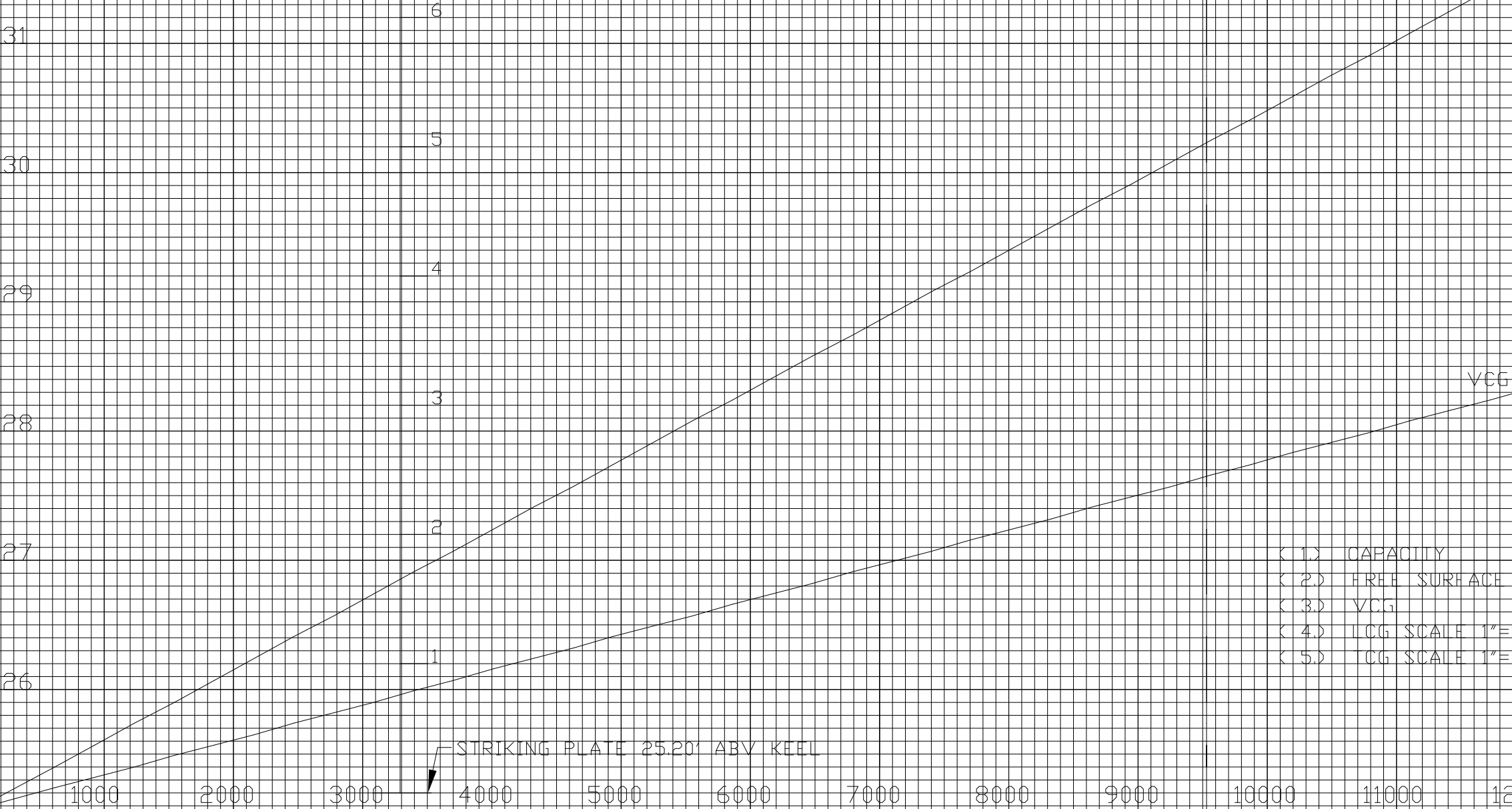
6.5-99-1

LCG

TCG

F. SURF.

CAPACITY

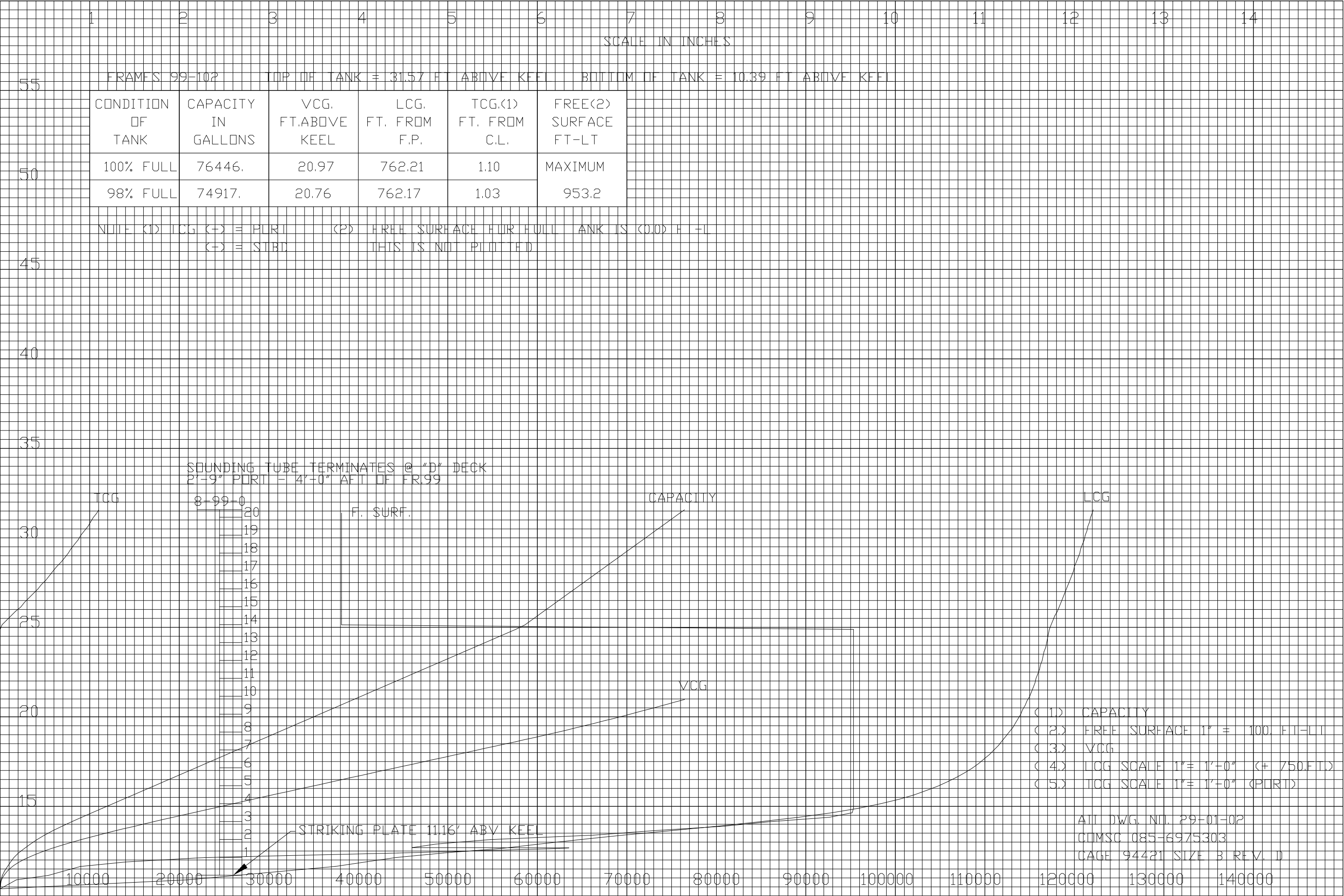


- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 760.FT.)
- (5) TCG SCALE 1"= 1'-0" (STBD)

ALL DWG. NO. 29-01-02
COMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: FUEL OIL SETTLING TANK 8-99-0

HEIGHT ABOVE KEEL - FEET



TANK: FUEL OIL SERVICE TANK P 6.5-85-2

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

FRAMES 85-90 TOP OF TANK = 33.07 FT ABOVE KEEL BOTTOM OF TANK = 22.57 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	30837.	27.82	647.49	48.45	MAXIMUM
98% FULL	30221.	27.72	647.49	48.45	61.4

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ "C" DECK
51'-2" PORT = 11'-0" FWD OF FR.88

6.5-85-2

F. SURF.

LCG

TCG

CAPACITY

10

9

8

7

6

5

4

3

2

1

STRIKING PLATE 22.63' ABV KEEL

- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 640.FT.)
- (5) TCG SCALE 1"= 5'-0" (PORT)

ALL DWG. NO. 29-01-02
CUMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: FUEL OIL SERVICE TANK S 6.5-85-1

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

40

FRAMES 85-90

TOP OF TANK = 33.07 FT ABOVE KEEL

BOTTOM OF TANK = 22.57 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	27764.	27.82	645.25	-48.45	MAXIMUM
98% FULL	27209.	27.72	645.25	-48.45	55.3

NOTE (1) TCG (+) = PORT (-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

36

34

SOUNDING TUBE TERMINATES @ "C" DECK
51'-2" STBD = 1'-0" FWD OF FR 88

6.5-85-1

LCG F SURF.

TCG

CAPACITY

32

30

28

26

24

10

9

8

7

6

5

4

3

2

1

VCG

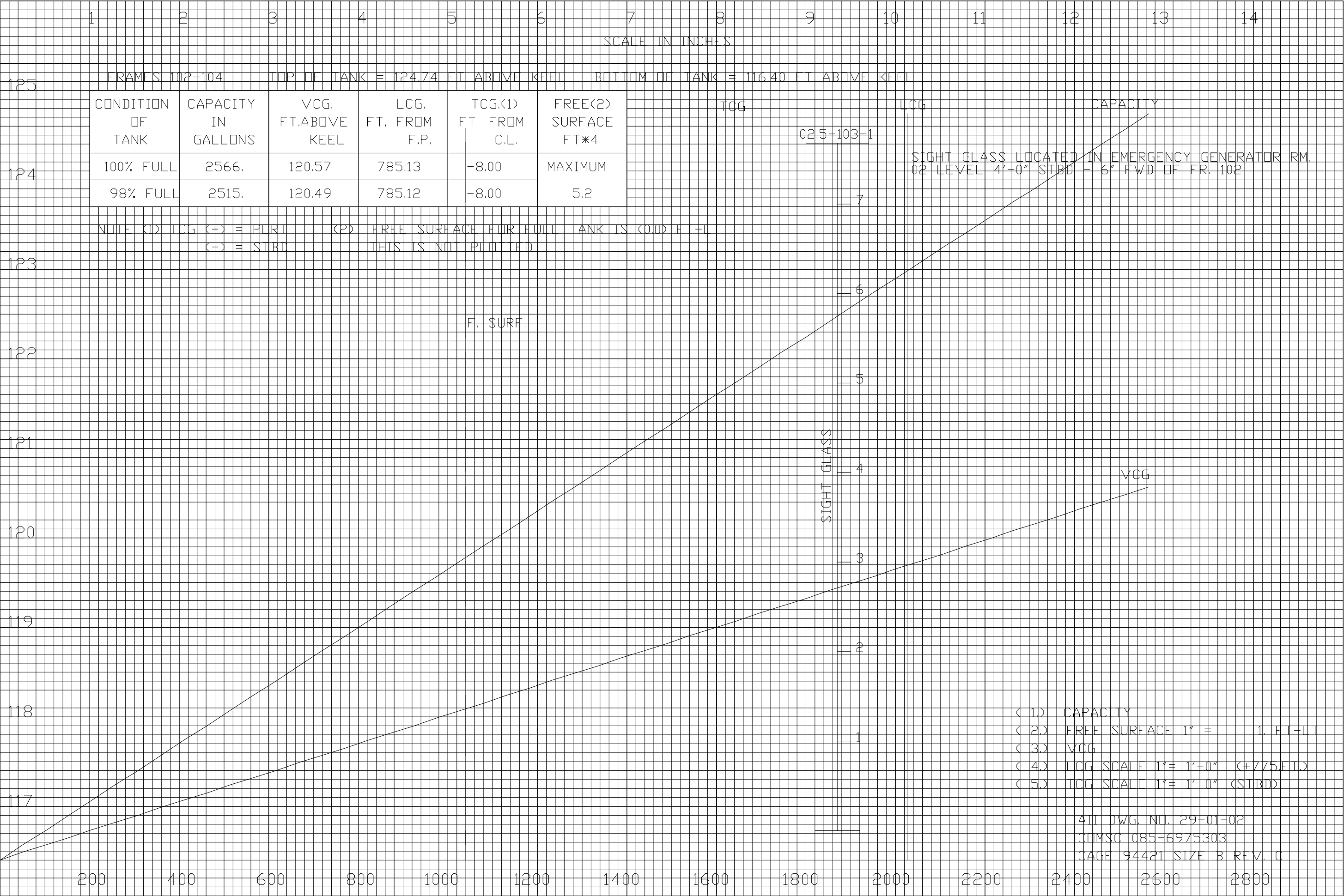
- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 640.FT.)
- (5) TCG SCALE 1"= 5'-0" (STBD)

STRIKING PLATE 22.61' ABV KEEL

ALL DWG. NO. 29-01-02
QIMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: EM GEN FO SERVICE TANK 02.5-103-1

HEIGHT ABOVE KEEL - FEET



TANK: ME/SSDG LO STORAGE TANK P 6.5-91-2

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

FRAMES 91-93 TOP OF TANK = 33.07 FT ABOVE KEEL BOTTOM OF TANK = 22.57 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT*4
100% FULL	15237.	27.86	685.72	48.40	MAXIMUM
98% FULL	14933.	27.76	685.72	48.40	33.2

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT = L THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ 33'-0" FLAT
48'-2" PORT - 3'-9" AFT FR.92
6.5-91-2 F. SURF.

10
9
8
7
6
5
4
3
2
1

STRIKING PLATE 22.68' ABV. KEEL

LCG CAPACITY TCG

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT=LI
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+680.FT.)
- (5) TCG SCALE 1"= 5'-0" (PORT)

ALL DWG. NO. 29-01-02
CUMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: ME/SSDG LO STORAGE TANK S 6.5-90-1

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

40

FRAMES 90-94

TOP OF TANK = 33.07' FL ABOVE KEEL

BOTTOM OF TANK = 22.57' FL ABOVE KEEL

38

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	27389.	27.87	685.64	-48.39	MAXIMUM
98% FULL	26852.	27.77	685.63	-48.39	59.9

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
(THIS IS NOT PLOTTED)

36

34

SOUNDING TUBE TERMINATES @ 33'-0" FLAT
50'-7" STBD - 1'-6" AFT FR. 93

6.5-90-1

= 10

= 9

= 8

= 7

= 6

= 5

= 4

= 3

= 2

= 1

STRIKING PLATE 22.72' ABV. KEEL

LCG

F. SURF.

TCG

CAPACITY

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 10. FT-LT
- (3) VCG
- (4) LCG SCALE 1" = 1'-0" (+ 680. FT.)
- (5) CG SCALE 1" = 5'-0" (STBD)

24

ALL DWG. NO. P9-01-02
COMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: ME/SSDG LO SETTLING TANK P 6.5-93-2

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

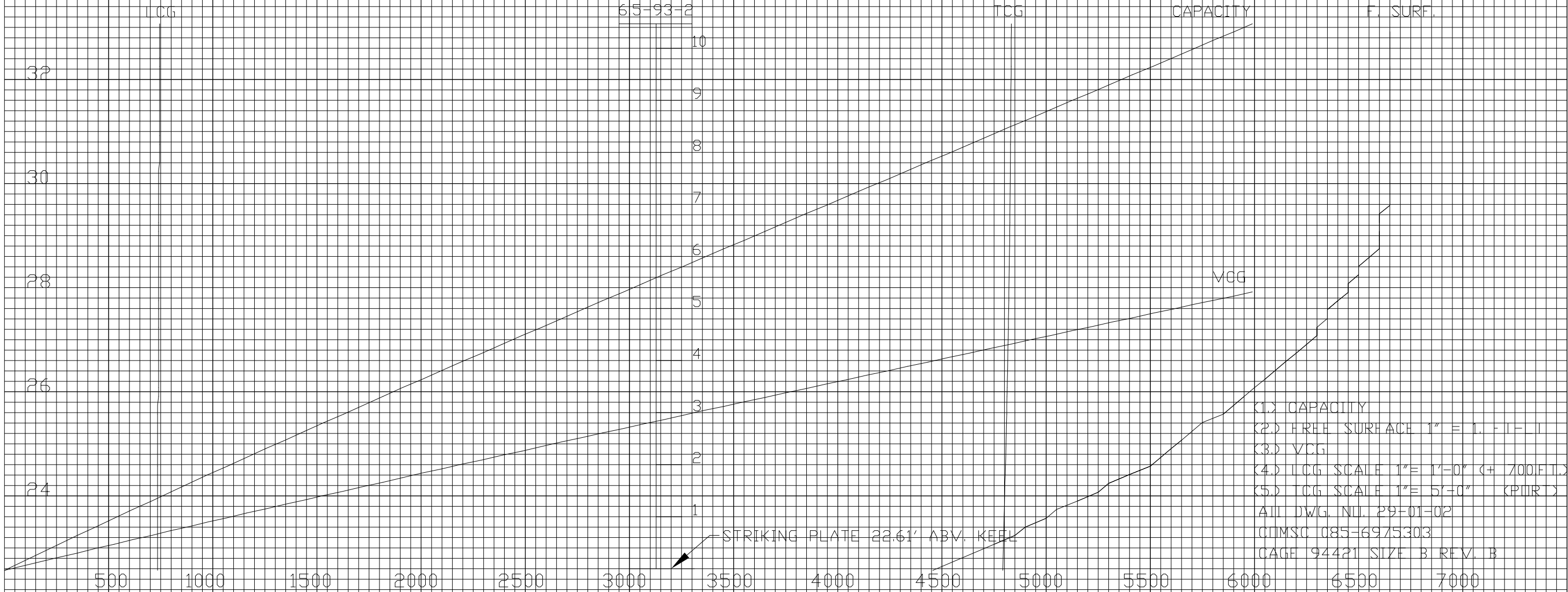
FRAMES 93-94 TOP OF TANK = 33.07 FT ABOVE KEEL BOTTOM OF TANK = 22.57 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	5990.	27.92	701.49	48.33	MAXIMUM
98% FULL	5870.	27.81	701.49	48.33	13.3

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT = 0 THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ "C" DECK
48'-9" PORT = 3'-0" AFT OF FR 93

6.5-93-2



TANK: CPP LO STORAGE TANK 5-93-2

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

50

FRAMES 93-94

TOP OF TANK = 44.82 FT ABOVE KEEL

BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2765.	38.95	701.50	51.12	MAXIMUM
98% FULL	2710.	38.83	701.50	51.12	0.9

48

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

46

SOUNDING TUBE TERMINATES @ "C" DECK
51'-2" PORT - 1'-6" FWD OF FR.94

F. SURF.

LCG

5-93-2

TCG

CAPACITY

44

11

10

42

9

8

40

7

6

38

5

4

3

36

2

1

34

STRIKING PLATE 33.11' ABV. KEEL

- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 700.FT.)
- (5) TCG SCALE 1"= 5'-0" (PORT)

ALL DWG. NUL 29-01-02
CUMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: CPP LO SETTLING TANK 5-95-3

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

42

FRAMES 94-94

TOP OF TANK = 38.07 FT ABOVE KEEL

BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	587.	35.57	710.50	-16.00	MAXIMUM
98% FULL	575.	35.52	710.50	-16.00	0.5

41

NOTE (1) TCG (+) = PORT
(-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED

40

39

SOUNDING TUBE TERMINATES @ "D" DECK
16'-6" STBD = 4'-9" AFT OF FR 94

F. SURF.
38

5-95-3

LCG

TCG

CAPACITY

37

4

36

3

35

2

34

1

- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 705.FT.)
- (5) TCG SCALE 1"= 2'-0" (STBD)

STRIKING PLATE 33.11' ABV. KEEL

ALL DWG. NO. 29-01-02
QIMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: RG LO STORAGE TANK 5-92-2

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

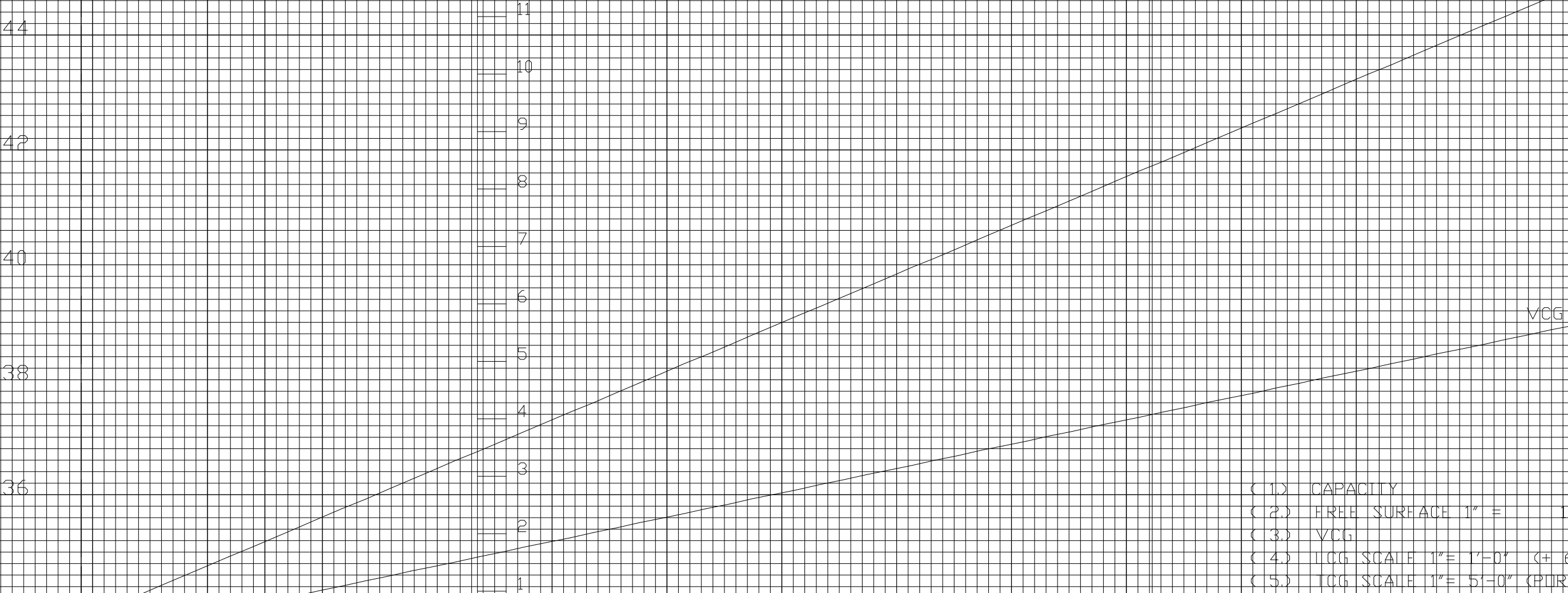
50 FRAMES 92-93 TOP OF TANK = 44.82 FT ABOVE KEEL BOTTOM OF TANK = 33.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2776.	38.94	692.50	51.12	MAXIMUM
98% FULL	2721.	38.83	692.50	51.12	0.9

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT THIS IS NOT PLOTTED

46 SOUNDING TUBE TERMINATES @ "C" DECK 51'-2" PORT - 1'-0" AFT OF FR.93

F. SURF. LCG 5-92-2 TCG CAPACITY

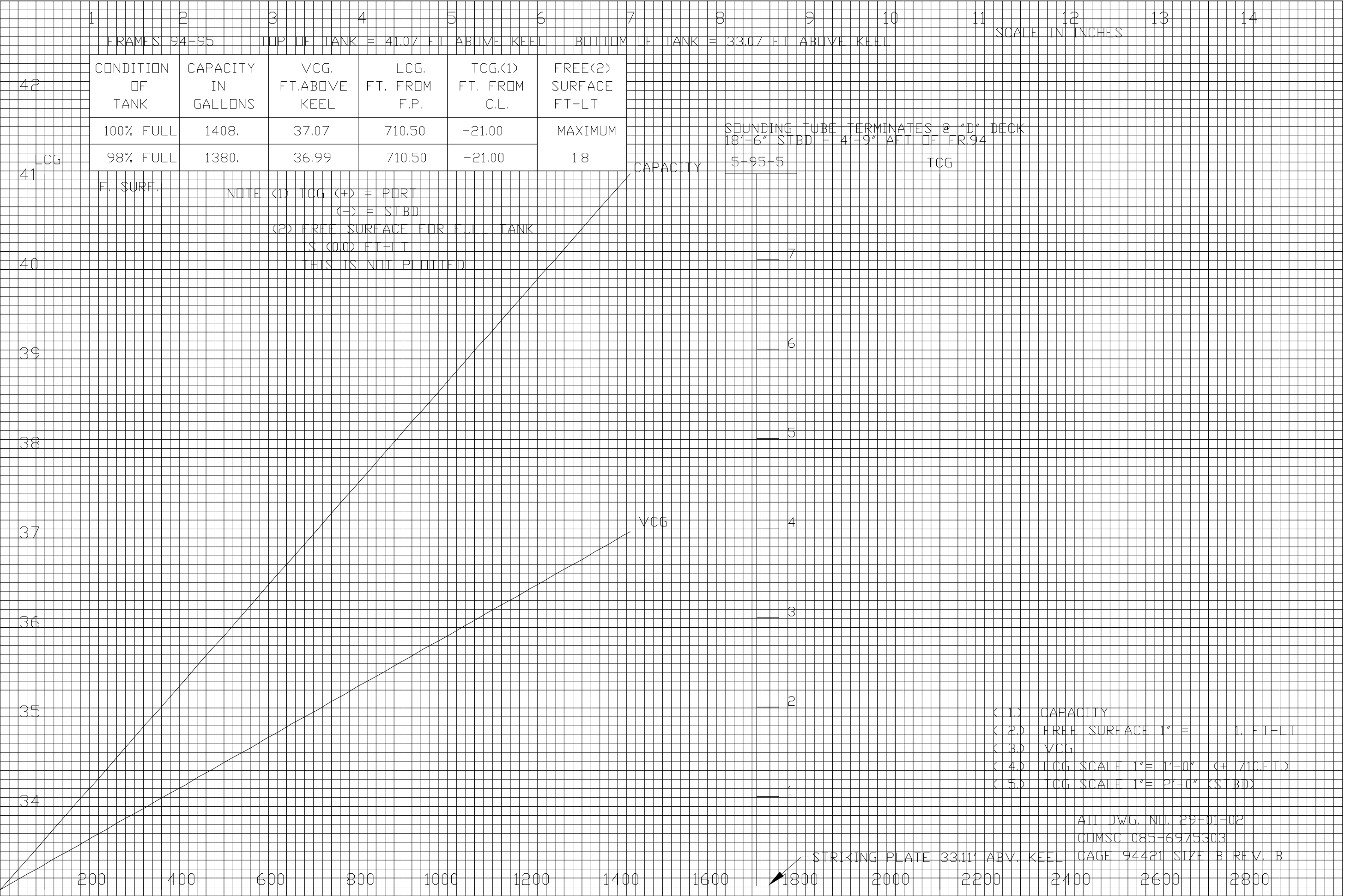


- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 690.FT.)
- (5) TCG SCALE 1"= 5'-0" (PORT)

ALL DWG. NO. 29-01-02
COMSC 085-6975303
PAGE 94421 SIZE B REV. B

TANK: RG LO SETTLING TANK 5-95-5

HEIGHT ABOVE KEEL - FEET



TANK: ME LO SUMP TANK P OR S 7.5-86-4/1

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

FRAMES 86-90 TOP OF TANK = 10.81 FT ABOVE KEEL BOTTOM OF TANK = 3.93 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.<1> FT. FROM C.L.	FREE<2> SURFACE FT-LT
100% FULL	5664.	8.20	643.44	11.00	MAXIMUM
98% FULL	5551.	8.14	643.36	11.00	11.9

NOTE <1> TCG <+> = PORT <-> = STBD <2> FREE SURFACE FOR FULL TANK IS <0.0> FT-LT THIS IS NOT PLOTTED

7.5-86-4/1

7.5-86-1 SOUNDING TUBE TERMINATES IN ENGINE RM.
8'-6" STBD = 8" AFT OF FR.86

7.5-86-4 SOUNDING TUBE TERMINATES IN ENGINE RM.
13'-3" PORT = 8" AFT OF FR.86

CAPACITY F. SURF. LCG

TCG

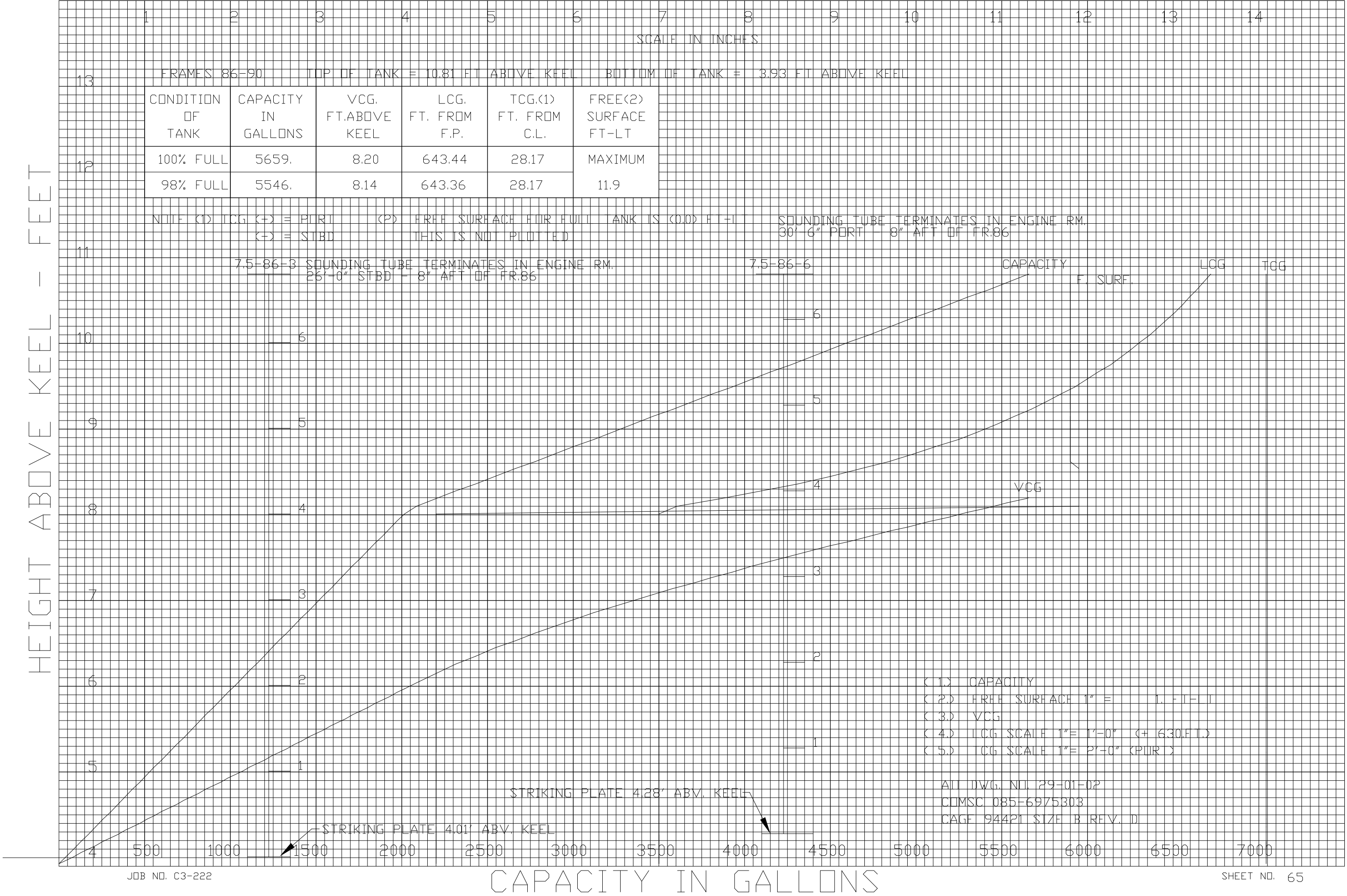
VCG

- < 1.> CAPACITY
- < 2.> FREE SURFACE 1"= 1. FT-LT
- < 3.> VCG
- < 4.> LCG SCALE 1"= 1'-0" (+ 630.FT.)
- < 5.> TCG SCALE 1"= 1'-0" (PORT)

ALL DWG. NO. 29-01-02
COMSC 085-6975303
CAGE 94421 SIZE B REV. C

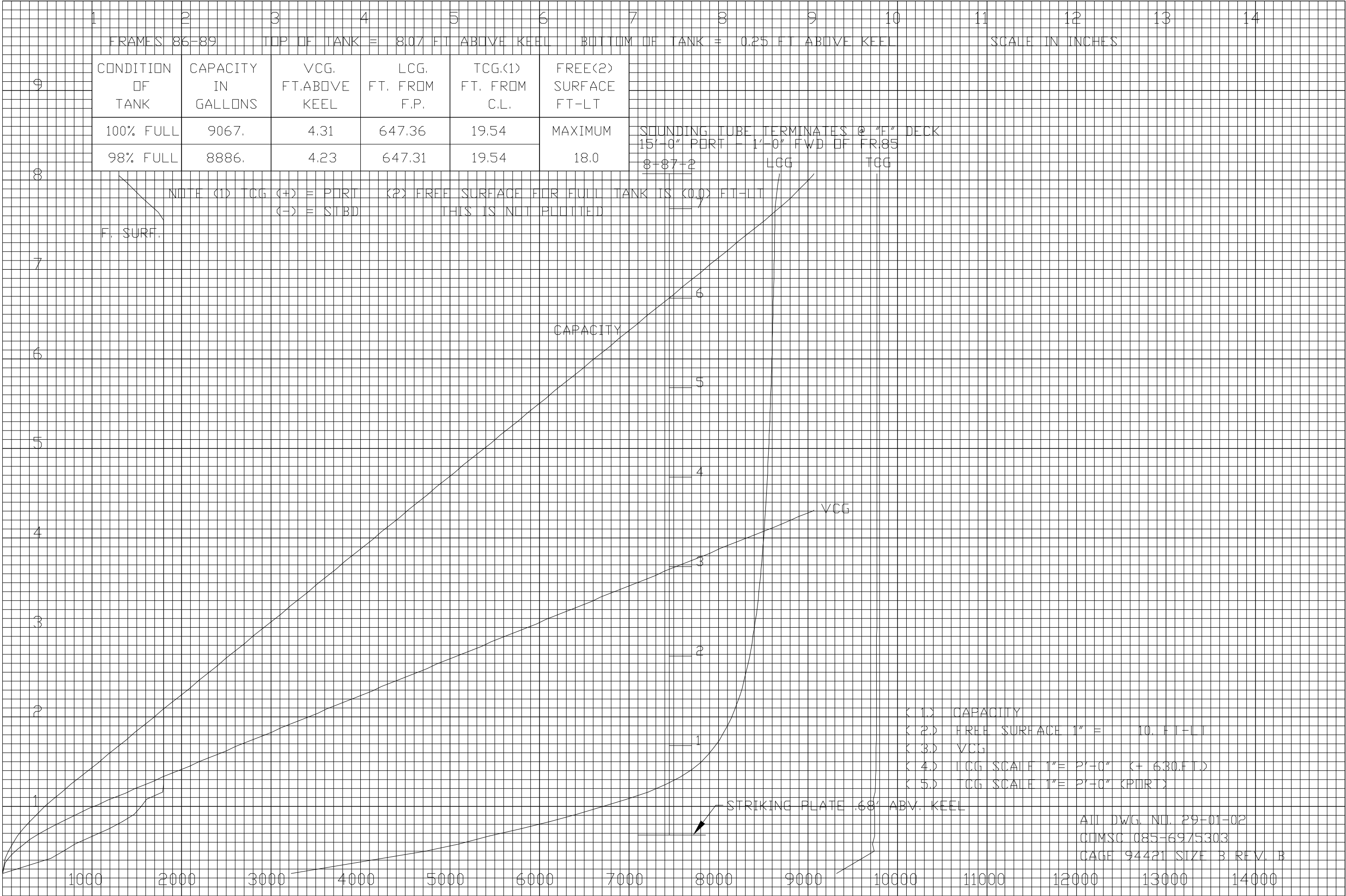
STRIKING PLATE 4.11' ABV. KEEL

TANK: ME LO SUMP TANK P OR S 7.5-86-6/3



TANK: CSA WASTE OIL TANK 8-87-2

HEIGHT ABOVE KEEL - FEET



TANK: CSA OILY WASTE HOLDING TANK 8-87-4

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

10

FRAMES 87-88 TOP OF TANK = 8.07 FT ABOVE KEEL BOTTOM OF TANK = 1.23 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2073.	5.08	647.36	35.61	MAXIMUM
98% FULL	2031.	5.03	647.36	35.61	2.6

NOTE (1) TCG (+) = PORT (-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT = L THIS IS NOT PLOTTED

SOUNDING TUBE TERMINATES @ "F" DECK 32'-6" PORT = 1'-0" FWD OF FR.85 8-87-4

9

8

7

6

5

4

3

2

F. SURF.

TCG

LCG

CAPACITY

5

4

3

2

1

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 640.FT.)
- (5) TCG SCALE 1"= 5'-0" (PORT)

STRIKING PLATE 2.28' ABV. KEEL

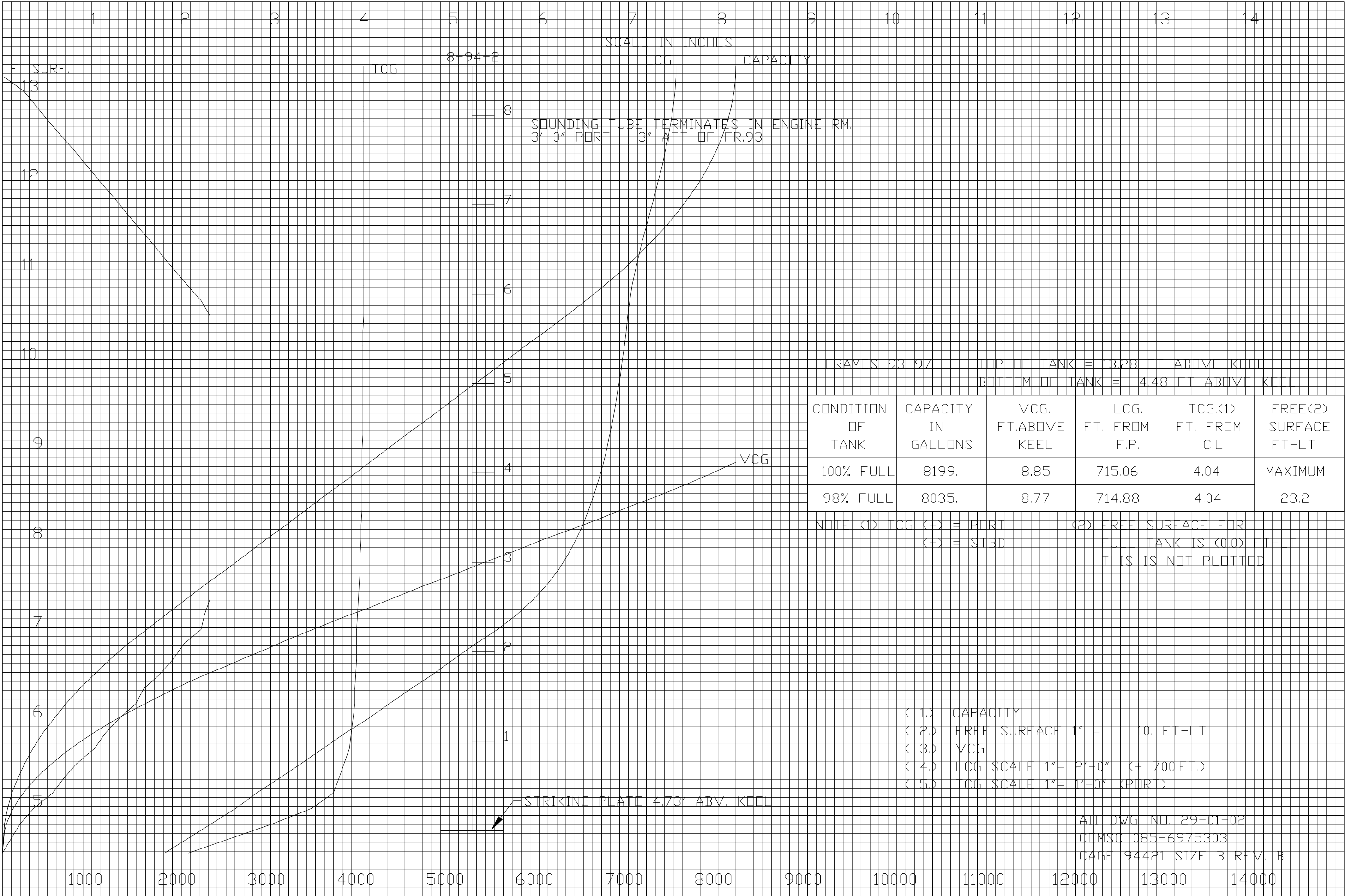
ALL DWG. NO. 29-01-02
CUMSC 085-6975303
CAGE 94421 SIZE B REV. C

200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800

CAPACITY IN GALLONS

TANK: ENGINE ROOM WASTE OIL TANK 8-94-2

HEIGHT ABOVE KEEL - FEET



TANK: ENGINE ROOM OILY WASTE HOLDING TANK 8-93-2

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

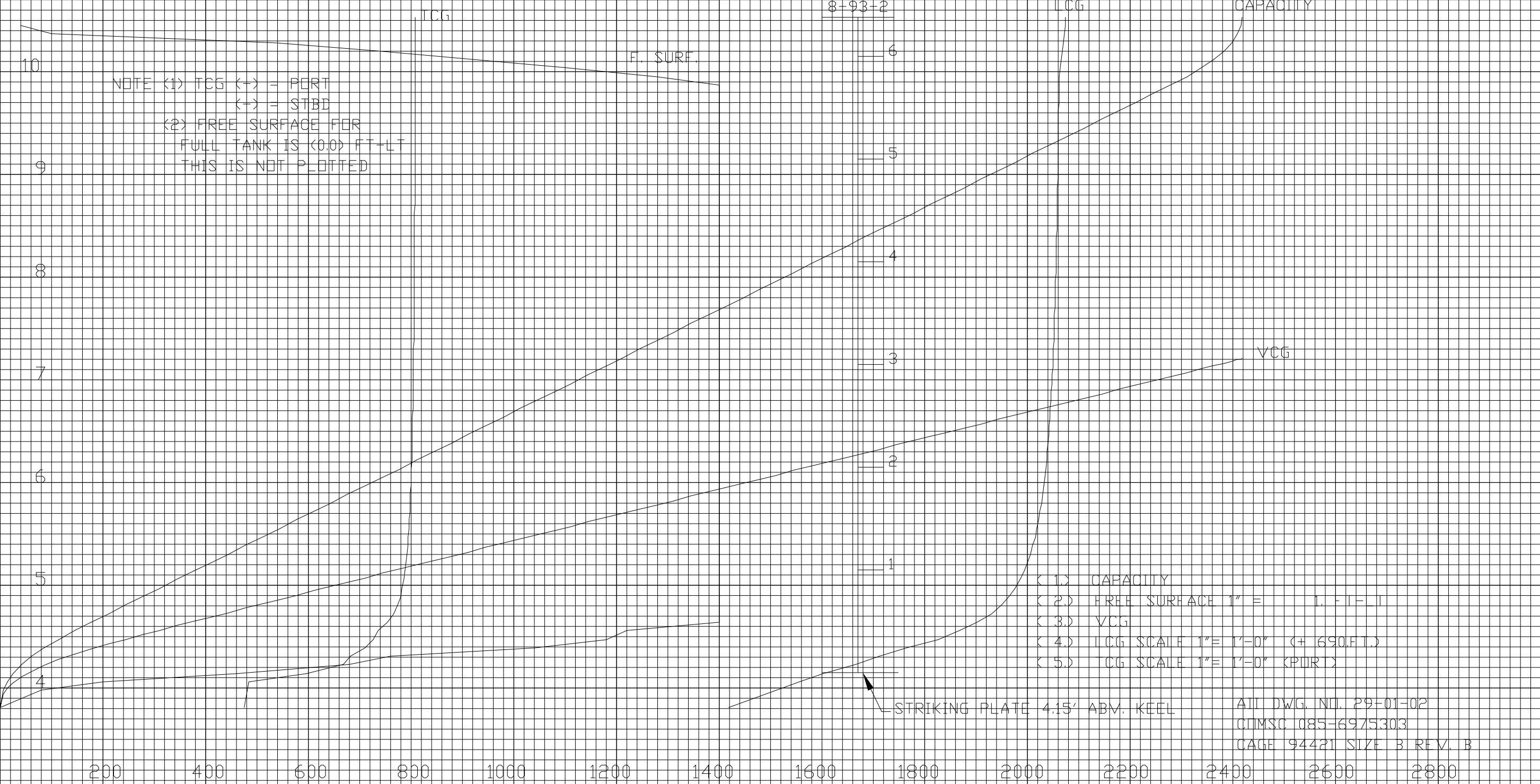
SCALE IN INCHES

FRAMES 93-94 TOP OF TANK = 10.53 FT ABOVE KEEL BOTTOM OF TANK = 3.81 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG<1> FT. FROM C.L.	FREE<2> SURFACE FT-LT
100% FULL	2418.	7.21	700.37	4.04	MAXIMUM
98% FULL	2369.	7.14	700.33	4.04	7.0

SOUNDING TUBE TERMINATES IN ENGINE RM.
2'-6" PORT - 3'-0" AFT OF FR.93
8-93-2

NOTE (1) TCG (+) = PORT
(-) = STBD
(2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
THIS IS NOT PLOTTED



- < 1> CAPACITY
- < 2> FREE SURFACE 1" = 1. FT-LT
- < 3> VCG
- < 4> LCG SCALE 1"= 1'-0" (+ 690.FT.)
- < 5> CG SCALE 1"= 1'-0" (PORT)

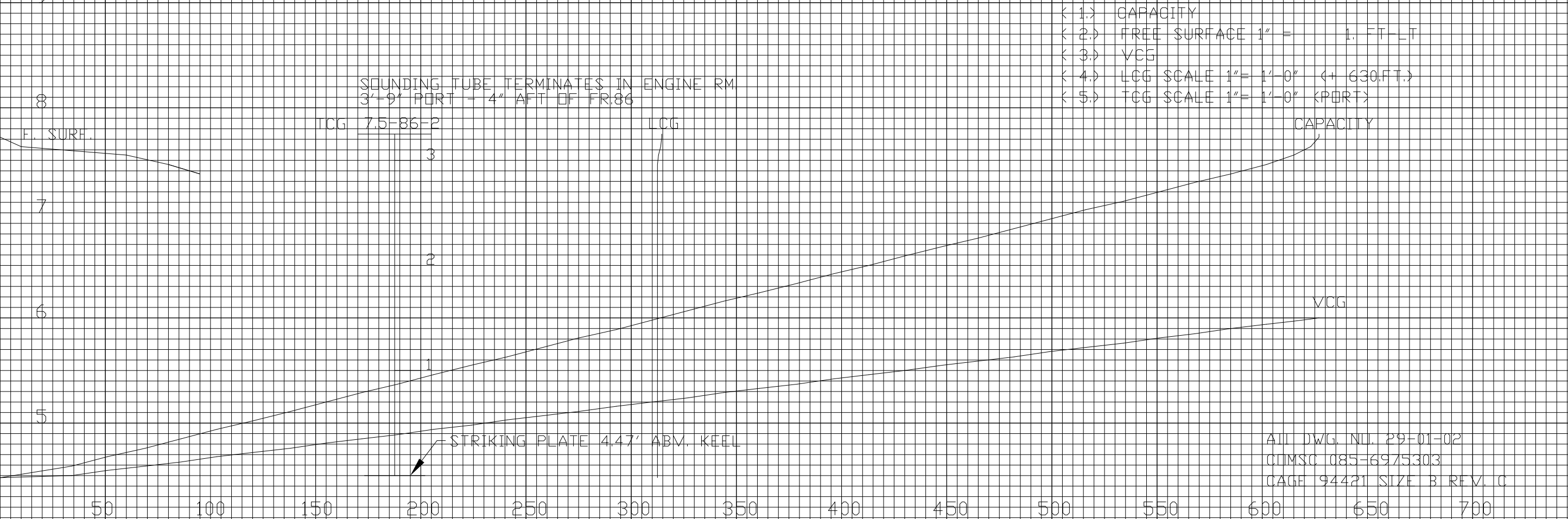
ALL DWG. NO. 29-01-02
CUMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: OILY WASTE DRAIN COLLECTING TANK 7.5-86-2



1	2	3	4	5	6	7	8	9	10	11	12	13	14
SCALE IN INCHES													
FRAMES 86-87		TOP OF TANK = 7.75 FT ABOVE KEEL			BOTTOM OF TANK = 4.42 FT ABOVE KEEL								
CONDITION OF TANK	CAPACITY IN GALLONS	VCG. FT.ABOVE KEEL	LCG. FT. FROM F.P.	TCG.<1> FT. FROM C.L.	FREE<2> SURFACE FT-LT								
100% FULL	627.	6.00	636.29	3.00	MAXIMUM								
98% FULL	615.	5.97	636.26	3.00	1.9								

NOTE: (1) TCG (-) = PLR1 (2) FREE SURFACE FOR FULL ANK IS (0.0) F = 0
(-) = STBD THIS IS NOT PLOTTED

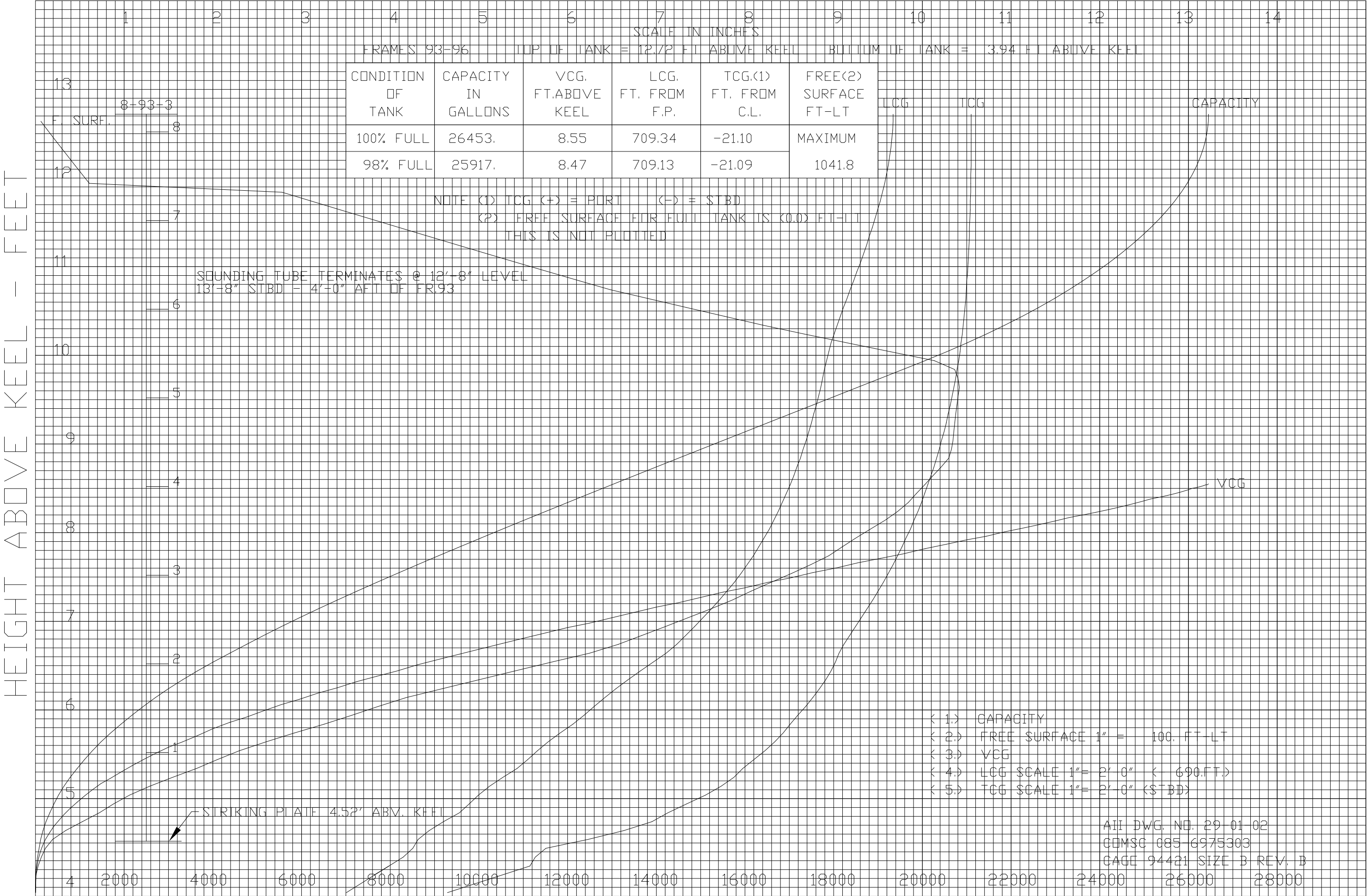


JOB NO. C3-222

CAPACITY IN GALLONS

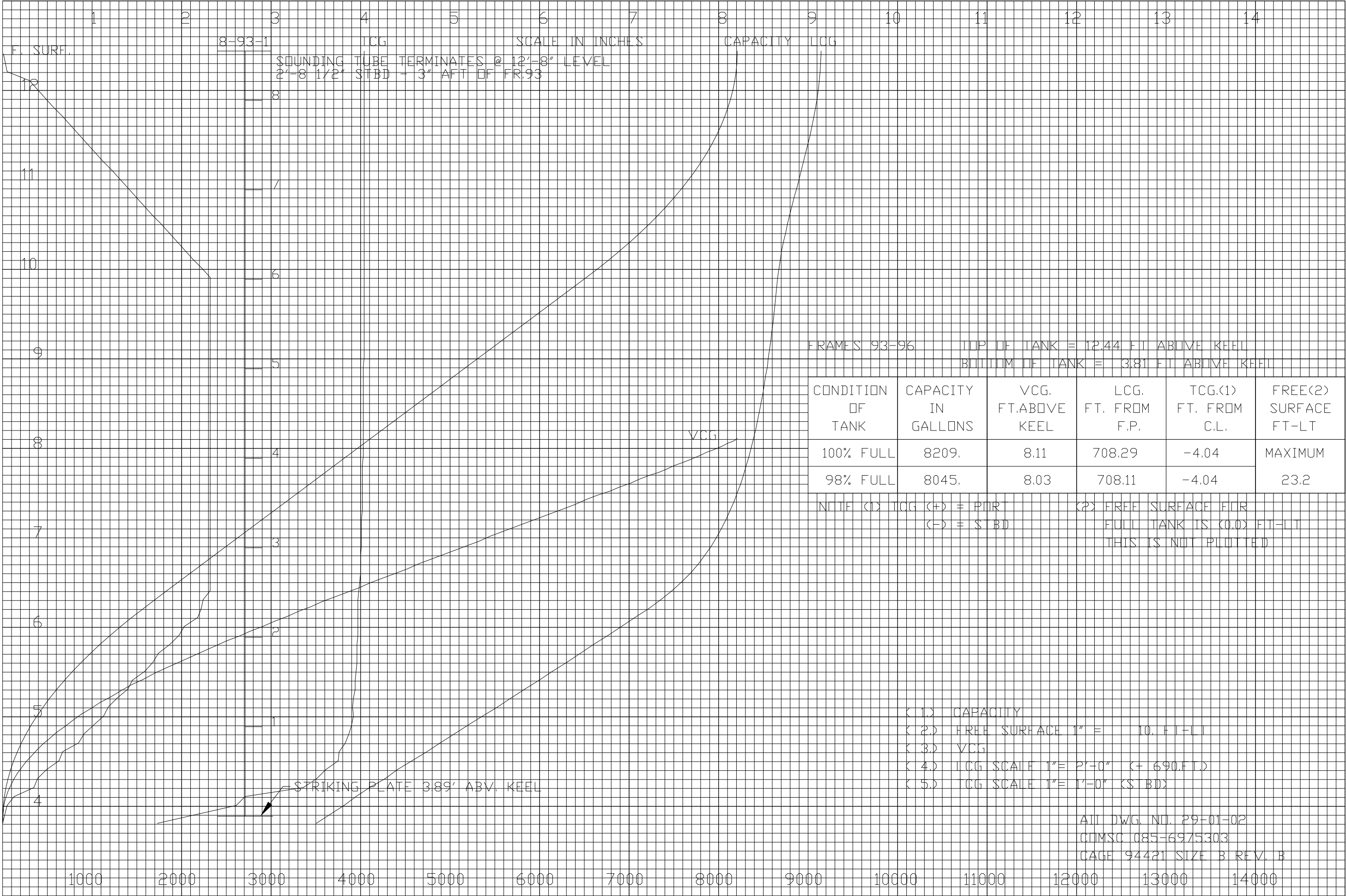
SHEET NO. 70

TANK: USED OIL TANK 8-93-3



TANK: FUEL OIL OVERFLOW TANK 8-93-1

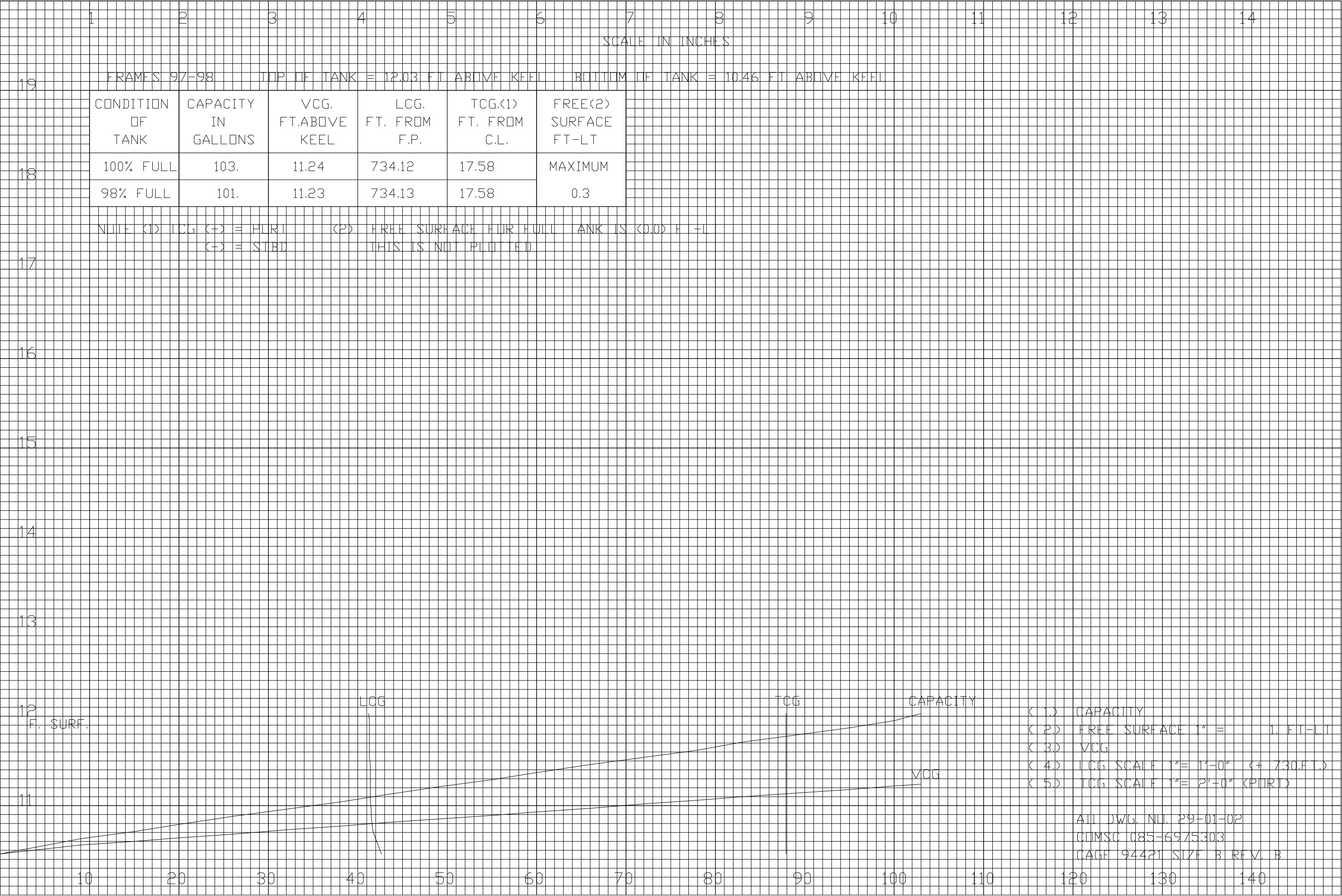
HEIGHT ABOVE KEEL - FEET



CAPACITY IN GALLONS

TANK: STERN TUBE LO DRAIN TANK P OR S 7.5-97-2/1

HEIGHT ABOVE KEEL - FEET



TANK: VCHT TANK 2.5-91-2

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

FRAMES 91-92

TOP OF TANK = 72.07 FT ABOVE KEEL

BOTTOM OF TANK = 62.57 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	2352.	67.35	681.01	45.17	MAXIMUM
					5.5

NOTE (1) TCG (+) = PORT (-) = STBD

(2) FREE SURFACE FOR FULL TANK IS (0.0) FT = 0 THIS IS NOT PLOTTED

LCG

F. SURF.

TCG

CAPACITY

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 680.FT.)
- (5) TCG SCALE 1"= 5'-0" (PORT)

ALL DWG. NUL 29-01-02
QUMSC 085-6975303
CAGE 94421 SIZE B REV. B

TANK: WASTE WATER TANK 2.5-94-2

HEIGHT ABOVE KEEL - FEET

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SCALE IN INCHES

FRAMES 93-95

TOP OF TANK = 77.74 FT ABOVE KEEL

BOTTOM OF TANK = 63.28 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	11707.	70.48	708.05	44.24	MAXIMUM
					10.9

SOUNDING TUBE TERMINATES @ "AB" DECK
45'-6" PORT - 1'-6" AFT OF FR.94

LCG TCG 2.5-94-2 F. SURF. CAPACITY

NOTE (1) TCG (+) = PORT (-) = STBD (2) FREE SURFACE FOR FULL TANK IS (0.0) FT-LT
(-) = STBD THIS IS NOT PLOTTED

78 76 74 72 70 68 66 64

14 13 12 11 10 9 8 7 6 5 4 3 2 1

VCG

- (1) CAPACITY
- (2) FREE SURFACE 1" = 1. FT-LT
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 700FT-L)
- (5) CG SCALE 1"= 5'-0" (PORT)

STRIKING PLATE 63.32' ABV. KEEL

1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 11000 12000 13000 14000

CAPACITY IN GALLONS

TANK: FIXED BALLAST TANK 8-57-0

HEIGHT ABOVE KEEL - FEET

1

2

3

4

5

6

7

8

9

10

11

12

13

14

SCALE IN INCHES

9

FRAMES 57-64

TOP OF TANK = 6.82 FT ABOVE KEEL

BOTTOM OF TANK = 0.07 FT ABOVE KEEL

CONDITION OF TANK	CAPACITY IN GALLONS	VCG, FT.ABOVE KEEL	LCG, FT. FROM F.P.	TCG.(1) FT. FROM C.L.	FREE(2) SURFACE FT-LT
100% FULL	162126.	3.45	404.50	0.00	N/A

NOTE (1) SYMMETRICAL TANK
TCG = 0 AT ALL LEVELS

8

7

6

TCG

5

4

3

2

1

LCG

CAPACITY

MOG

- (1) CAPACITY
- (2) FREE SURFACE : NOT APPLICABLE
- (3) VCG
- (4) LCG SCALE 1"= 1'-0" (+ 400FT.L)

ALL DWG. NUL 29-01-02
QUMSC 085-6975303
CAGE 94421 SIZE B REV. B